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ABSTRACT

This inventory revises and updates data published in a 1986 inventory of articulation, collaboration, and Job Training Partnership Act (JTPA) agreements between vocational-technical schools and community colleges in Massachusetts. In addition, it provides information on programs in city vocational schools, comprehensive high schools, and service delivery areas (SDAs). The report is organized in three parts: (1) Introduction; (2) Data Compilation; and (3) Agreement Summaries. In the introduction, a section on methodology and response rate reports that 100 percent of community colleges and regional and independent vocational-technical schools responded to the survey; response rates were lower (33-90 percent) for city vocational, county agricultural, and comprehensive high schools and SDAs. The following findings are also presented: 80 percent of community colleges reported articulation agreements; community college contracts with JTPA increased by 35 percent; regional vocational schools showed a 17 percent increase in articulated programs; 70 percent of regional vocational schools, 55 percent of city vocational schools, and 2 of 10 comprehensive schools reported program articulation; and 11 SDAs reported contracts with secondary schools and/or community colleges. In part 2, data are compiled by school type (and SDA) and agreement type. A brief data summary is provided at the end of each of the nine data tables making up this part. In part 3, agreement summaries for each responding school or SDA are organized into articulation agreements, collaboration agreements, JTPA agreements, and current negotiations. Appendixes include the two survey instruments used, one for secondary and postsecondary institutions and the other for SDAs. (YLB)

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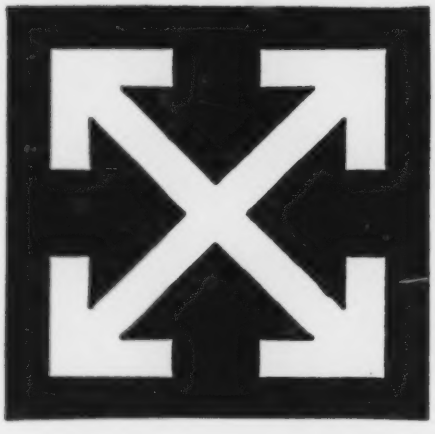
COMMONWEALTH CONNECTIONS

An Inventory of Inter-System Vocational Education Agreements



Prepared by:

Massachusetts State Council on Vocational Education
Spring 1989

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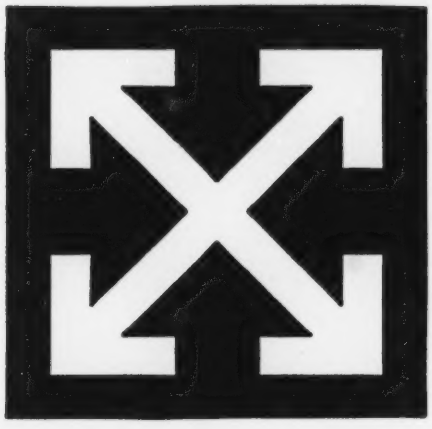
INTRODUCTION



In 1986, the Massachusetts State Council on Vocational Education was awarded a grant by the Department of Education to improve articulation and collaboration between vocational schools and community colleges. This initiative, the Dialogue Project, began with the formation of a Leadership Committee consisting of six community college presidents and six vocational school superintendents/directors. At the request of this Committee, an inventory of articulation, collaboration, and JTPA agreements between vocational-technical schools and community colleges was undertaken.

In 1988, the Massachusetts Department of Education awarded a second grant to the State Council on Vocational Education to continue the Dialogue Project. The Leadership Committee, originally consisting of community college presidents and vocational school superintendents, was augmented by state level policymakers from education and employment training agencies, legislators, and urban school superintendents.

An update and expansion of the 1986 Inventory was launched in August 1988. Presidents of the community colleges, superintendents and directors of secondary vocational education programs and directors of service delivery areas responded to an appeal for new information on articulation, collaboration, and JTPA agreements throughout the Commonwealth.

This publication revises and updates data published in the 1986 inventory. In addition, the report provides information on programs in city vocational schools, comprehensive high schools (those high schools with five or more Ch. 74-approved programs), and service delivery areas.

The specific purposes of this inventory are:

1. To provide current information on the status of articulation, collaboration, and JTPA program agreements between high schools, community colleges, and SDAs in the Commonwealth;

2. To compare the findings of the 1988 report with the 1986 report, noting any significant changes and trends;

3. To provide technical assistance to service providers;

4. To generate questions and discussion regarding the significance of coordination between high schools, community colleges, and service delivery areas.

In addition to this inventory, the Dialogue Project will result in the development of several procedural and process guides to articulation and coordination.

DEFINITIONS

1. Articulation refers to curriculum coordination between secondary and postsecondary vocational education which facilitates students' attainment of a college certificate or degree. It includes agreements by which students are: a) awarded course credits towards the college degree for secondary school coursework completed, b) exempted from repeating in college equivalent coursework completed in high school, c) joint programming or enrollment between institutions, and d) 2+2 programming involving a sequential program of study from grade 11 through 14.

2. City Vocational High Schools are high schools administered by a city or town school committee, offering both vocational and academic courses. Students are required to spend at least half of their school time attending vocational courses.

3. Collaboration is a process which involves the sharing of facilities, faculty, or other resources between two or more institutions.

4. Comprehensive High Schools, for purposes of this survey, are defined as those high schools which offer five or more Chapter 74-approved vocational programs as well as nonvocational courses of study. Students may elect to follow a vocational course of study.

5. Independent Vocational High Schools are administered by a board of trustees; expenses are paid by the city or town in which the school is located. Students who live within the city attend free of charge; others are charged tuition, which in most cases is paid by their town of residence. All students must spend half their school time in vocational classes.

6. JTPA Programs are federally funded through the Job Training Partnership Act and provide occupational training for individuals in specific economic categories. These programs are administrated through local Service Delivery Areas.

7. Regional Vocational-Technical High Schools serve a number of municipalities and provide both academic and vocational courses. Students are required to spend at least half of their school time attending vocational courses.

8. Service Delivery Areas (SDAs) are comprised of one or more cities or towns in groupings which are consistent with labor market areas. Federal JTPA funds are allotted to each SDA and distributed through the SDA's administrative entity. These funds can be awarded to service providers (e.g. community based organizations, schools), or the SDA can provide services directly to clients.

Methodology and Response Rate

In July 1988, questionnaires (Appendices A & B) were mailed to institutions involved in vocational education and to SDAs. The questionnaires solicited descriptions of articulation, collaboration, and JTPA agreements that were currently in effect. The respondents were also asked to submit copies of written agreements. The State Council has on file many articulation agreements, contracts, grant proposals, and letters submitted by schools, colleges, and SDAs. For those respondents who participated in the 1986 survey, a copy of their previous response was sent along with the 1988 questionnaire to be updated. Telephone calls were made to follow up surveys that had not been returned within a given period of time. In some instances, surveys were completed over the telephone.

The population surveyed consisted of all the Commonwealth's secondary schools which offer a substantial course of vocational study: 26 regional vocational-technical schools; three independent public vocational schools; three county agricultural schools; 14 city vocational schools; and 15 comprehensive high schools, which each offer at least five vocational programs. The Commonwealth's 15 community colleges and 15 Serivce Delivery Areas were also surveyed.

One hundred percent of the community colleges and regional and independent vocational-technical schools responded to the survey. Response rates were lower for city vocational, county agricultural, and comprehensive high schools, and SDAs (See Table).

Response Rate

Institution/Agency	Number Surveyed	Number Responded	Percent
Community Colleges	15	15	100%
Regional Vocational Schools	26	26	100%
Independent Vocational Schools	5	5	100%
City Vocational	14	9	63%
Comprehensive H.S.	15	10	67%
County Agricultural Schools	3	1	33%
Service Delivery Areas	15	13	90%

RESULTS

Results of the survey indicate a broad and increasing range of involvement in cooperative efforts by the various institutions. The community colleges and regional vocational schools have a more active involvement in articulation, collaboration, and JTPA agreements than the city vocational schools and comprehensive high schools.

Below is a summary of the active participation of each of the groups surveyed. In addition, overall trends in agreements as well as the formality of their status are described.

I. Community Colleges

A. Articulation

Over 80% (13) of the community colleges reported articulation agreements in 1988 as compared to 70% (11) in 1986. The total number of articulation agreements increased by 49%. The variety of programs articulated increased by 37%, from 27 different course categories in 1986 to 37 in 1988. Most articulation agreements (70%) are for transferred credit. Yet, there is comparatively more variety demonstrated in the structure of articulation agreements in 1988 than 1986, since 92% of the agreements involved transferred credit two years ago.

B. Collaboration, JTPA Contracts, Current Negotiations

Eighty percent of the community colleges also reported collaborative agreements involving the sharing of faculty and facilities with secondary schools. The number of collaboration agreements and current negotiations with secondary schools increased by 18% and 35%, respectively. One more college was involved in collaboration in 1988 than in 1986. The number of JTPA contracts increased by 35%, and the number of colleges with such contracts increased from 8 to 10.

II. Regional and Independent Vocational-Technical Schools

A. Articulation

The number of regional vocational schools involved in articulation agreements increased by 19%, from 16 to 19 schools. The number of articulation agreements reported by regional vocational schools increased by 17%. The total number of course programs represented across the various agreements increased by 10% between 1986 and 1988. The variety of course programs articulated increased by 9%, from 32 to 35 different course categories.

The same single school was the only independent school with articulation agreements. The number of agreements at this school decreased by 33%, from six to two agreements. This change was due to the closing of a college with which the school had a number of agreements.

B. Collaboration, JTPA Contracts, Current Negotiations

Seventy percent of the regional vocational schools had collaborative agreements with community colleges. The number of collaboration agreements decreased slightly in 1988, while JTPA agreements with SDAs and negotiations with community colleges increased by 33% and 21%, respectively. Half the regional vocational schools have contracts with SDAs.

One of the independent schools previously uninvolved in collaboration or JTPA developed agreements in both areas. The other two independent schools remained the same as in 1986. The number of regional and independent schools with collaboration agreements stayed the same at 21, and the number of schools with JTPA agreements increased from 10 to 17.

III City Vocational Schools

A. Articulation

Since city vocational schools were not surveyed in the 1986 inventory, no comparisons were possible in 1988. Among the nine schools that responded to the survey, five (55%) reported having articulation.

B. Collaboration, JTPA Contracts, and Current Negotiations

Five (55%) city vocational schools reported a total of seven collaboration agreements with community colleges. Among these five schools, a total of six JTPA agreements with SDAs were reported. Two of the five schools that reported JTPA agreements with SDAs, for which they provided faculty and facilities, did not have collaboration agreements with community colleges for faculty or facilities. Conversely, two of the schools that had collaboration agreements with community colleges did not have agreements with SDAs. Two schools reported current negotiations with community colleges.

IV. Comprehensive High Schools

A. Articulation

These schools also were not surveyed in 1986, and thus there is no comparison for 1988. Of the ten schools that responded to the survey, only two (less than 20%) reported having articulation agreements. Among these two schools, there were three articulation agreements.

B. Collaboration, JTPA Contracts, Current Negotiations

Similarly, only two schools reported collaboration agreements with community colleges. Three schools reported a total of six JTPA agreements with SDAs. The three schools with JTPA agreements were not the same schools that had collaboration agreements. Also, three schools reported on-going negotiations with community colleges.

V. Service Delivery Areas

A. Contracts With Post-Secondary Institutions

Of the 13 SDAs that responded to the survey, 11 (85%) had contracts with colleges. Most of these contracts involved community colleges, but several were with private colleges. A total of 41 JTPA contracts with colleges were reported statewide by SDAs.

B. Contracts With Secondary Schools

JTPA contracts with secondary schools were reported by 10 (77%) of the SDAs responding to the survey, for a total of 38 contracts across the state. Two SDAs reported current negotiations with high schools.

VI. Status of Agreements and Variety of Programs

A. Formal and Informal Agreements

The number of formally written articulation agreements reported by community colleges and regional vocational-technical schools increased slightly over 1986 levels with approximately 85% of these agreements formal. However, only 55% of the agreements reported by city vocational and comprehensive high schools were supported by formal agreements.

B. Variety of Programs Articulated

Since an articulation agreement may include many courses of study, it is important to examine the number and types of programs articulated through these agreements. The actual number of course programs represented in articulation agreements increased in 1988 by 26% over 1986, and the variety of course categories articulated increased by 37%.

It is interesting to note that computer technology represented over 20% of the articulated courses at both the high school and college levels. The high proportion of courses articulated in computer technology reflects the national trend toward a more computerized world. There were four new kinds of programs articulated in 1988, all in health related fields. This change may reflect the increasing need in the State for professionals skilled in health care.

DISCUSSION

The data reported in this inventory represent an update of that which was presented in the 1986 inventory. This report provides a simple, concise summary of the status of articulation, collaboration, and JTPA program agreements within the Commonwealth.

It must be emphasized that the inventory presents only the data that was reported by the responding institutions and in no way attempts to evaluate or draw conclusions about the programs that were reported. Part of the purpose of this inventory is to generate questions regarding coordination efforts. It is expected that the questions that are raised will advance articulation and collaboration efforts in the Commonwealth.

Overall, this study indicates increasing involvement in articulation, collaboration and JTPA agreements on the part of community colleges and regional vocational schools. Over two-thirds of community colleges and regional vocational schools are involved in articulation and collaboration efforts and over half have JTPA agreements. However, cooperative arrangements between secondary and postsecondary vocational education institutions is more common than between education institutions and SDAs.

There were still no true 2+2 programs reported. The vast majority of articulated agreements continued to be in the form of transferred credit as opposed to the few joint programs reported which begin to approximate the 2+2 concept. What has facilitated the modest increases in jointly developed articulation curricula, and what barriers continue to limit such cooperation? Do issues of institutional autonomy preclude closer coordination in Massachusetts?

The response rate for city vocational and comprehensive high schools was not large enough to be sure that the results truly reflect statewide activity. It is most likely that schools which did not respond do not have a plan in place. Given this fact, the findings presented in this report may indicate a higher level of coordination activity on the part of city and comprehensive high schools than actually exists. Less than one-third of comprehensive high schools were involved in any articulation, collaboration, or JTPA activities.

Since most community colleges have agreements with secondary schools, and most SDAs have agreements with educational institutions, why do comprehensive schools have such limited involvement with either colleges or SDAs? What barriers to articulation, collaboration, and JTPA coordination do comprehensive and city vocational schools face that differ from those of the regional vocational schools? Why are the independent vocational schools also less involved in cooperative arrangements with community colleges and SDAs than their regional counterparts? Finally, why do the comprehensive and city vocational schools less often formalize their cooperative agreements with community colleges than do the regional vocational schools?

Where coordination activities do not exist, the following questions can be raised?

* Is there an institutional commitment to the endeavor?
* Are administrators, faculty, and students interested?
* Are the concepts and benefits clearly understood?
* Is it valuable for the student body?
* Is it valuable to the local labor market?
* Is there a cooperative relationship between the relevant entities or individuals?
* Are there geographic, political, financial or other barriers to implementation?

Information extrapolated from the surveys indicates an above average interest in articulation, collaboration, and JTPA agreements, but this information also indicates that there is a great deal of work to be accomplished in order to effect a viable system.

Some of the trends noticed in the 1986 inventory seem to continue in 1988. For example, it is apparent that articulation efforts were better achieved in both years over collaboration and JTPA agreements. In fact, articulation agreements increased by 50% at the community college level and by 20% at the regional vocational high schools. However, the city vocational, comprehensive and independent schools are largely still uninvolved, and there is clearly the capacity for more agreements.

Questions remain as to why there is not more cooperation across levels of education and between education and employment training. If such coordination is a worthwhile undertaking in Massachusetts' educational institutions, how can the process be facilitated?

It is the hope of the State Council that this inventory will provide information that will contribute to the further growth and development of coordination and cooperation between high schools and community colleges in the state.

DATA COMPILATIONS

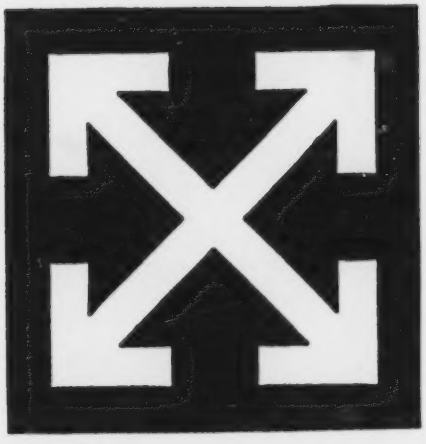


Table 1

COMMUNITY COLLEGES

ARTICULATION AGREEMENTS

Key to Abbreviations:

TC = Directly Transferred Credit
TC+ = Transferred Credit by means of dual enrollment or challenge exams
JT = Joint use of faculty and facilities resulting in college credit
AP = Advanced Placement
N/A = Not Applicable
N/R = Did Not Respond to Survey

College	# Agreements 1986/1988		Structure 1986/1988		# Programs 1986/1988		Formal 1986/1988	
BERKSHIRE	0	0	N/A	N/A	N/A	N/A	N/A	N/A
BRISTOL	2	2	TC	TC	3	2	X	X
BUNKER HILL	2	5	TC	AP, JT,TC	3	12		3X
CAPE COD	1	1	TC+	JT	1	1	X	X
GREENFIELD	0	0	N/A	N/A	N/A	N/A	N/A	N/A
HOLYOKE	0	1	N/A	AP	N/A	1	N/A	X
MASSACHUSETTS BAY	4	4	3TC 3JT	3TC 1JT	23	23	X	X
MASSASOIT	1	6	TC	TC	1	2	X	5X
MIDDLESEX	3	4	TC+	1TC 3AP	16	8	X	3X
MOUNT WACHUSETT	1	1	TC	TC	1	1	X	X
NORTH SHORE	0	1	N/A	AP	N/A	1	N/A	X
NORTHERN ESSEX	2	6	TC JT	3TC,2AP 1TC+	3	14	1X	4X
QUINSIGAMOND	6	14	TC	TC	11	7	X	X
ROXBURY	1	1	TC	TC	5	5	X	X
SPRINGFIELD TECH.	1	1	TC+	TC	1	9		X

Table 1

SUMMARY TABLE 1

Articulation Agreements	1986	1988
Transferred Credit	17	32
Transferred Credit+	5	1
Joint Program	2	3
Advanced Placement	N/A	11
TOTAL	24	47
Status of the Agreement		
Formal	20	41
Informal	4	6
Number of Articulated Programs	68	86

DATA SUMMARY

The number of articulation agreements reported by community colleges in 1988 nearly doubled the number of agreements in 1986. This change reflects increased cooperation between community colleges and high schools. This cooperation is further demonstrated by the fact that the largest number of articulation agreements were in the area of direct transfer from secondary to post-secondary institutions. In addition, the number of programs articulated in 1988 increased 30% over 1986, and the number of formalized agreements doubled in 1988.

Table 2

COMMUNITY COLLEGES

COLLABORATION, JTPA CONTRACTS, CURRENT NEGOTIATIONS

College	# Collaboration 1986/1988		# JTPA 1986/1988		Negotiations 1986/1988	
BERKSHIRE	0	0	0	0		X
BRISTOL	12	12	4	5		
BUNKER HILL	2	2	2	3	X	X
CAPE COD	1	2	0	3	X	
GREENFIELD	1	2	1	1	X	X
HOLYOKE	0	3	0	0		X
MASSACHUSETTS BAY	1	1	1	2		X
MASSASOIT	0	1	0	0		
MIDDLESEX	3	3	0	1	X	
MT. WACHUSETT	0	0	0	1	X	X
NORTH SHORE	1	0	1	1		X
NORTHERN ESSEX	5	5	2	1	X	
QUINSIGAMOND	1	1	0	0	X	X
ROXBURY	3	1	2	1	X	X
SPRINGFIELD TECHNICAL	2	5	1	0		X

SUMMARY TABLE 2

	1986	1988
Collaboration	32	38
JTPA	14	19
Negotiations	8	10

DATA SUMMARY

The number of collaboration agreements and negotiations in community colleges increased by 18% and 25%, respectively, between 1986 and 1988. JTPA agreements increased by 35%. It is interesting to note that many of the institutions that were in negotiations in 1986 were still negotiating in 1988.

Table 3

REGIONAL VOCATIONAL SCHOOLS
ARTICULATION AGREEMENTS

School	# Agreements 1986	# Agreements 1988	Structure 1986	Structure 1988	# Programs 1986	# Programs 1988	Formal 1986	Formal 1988
ASSABET VALLEY	2	3	TC	TC	3	4	X	X
BAY PATH	1	1	TC	TC	2	2	X	X
BLACKSTONE VALLEY	2	3	TC,AP	2TC,AP	3	4	1X	X
BLUE HILLS	0	1	N/A	TC	N/A	1	N/A	X
BRISTOL-PLYMOUTH	0	1	N/A	TC	N/A	N/A	N/A	X
CAPE COD	1	1	TC+	TC+	1	1	X	X
DIMAN	2	0	TC	N/A	3	N/A	X	N/A
FRANKLIN COUNTY	0	0	N/A	N/A	N/A	N/A	N/A	N/A
GREATER LAWRENCE	1	1	TC	TC	2	2	X	X
GREATER LOWELL	1	1	TC	TC	6	8	X	X
GREATER NEW BEDFORD	0	0	N/A	N/A	N/A	N/A	N/A	N/A
KEEFE TECH.	3	3	TC,TC+ JT	TC TC+,JT	3	3	X	X
MINUTEMAN	3	3	TC	TC	24	24	X	X
MONTACHUSETT	1	1	TC	TC	1	1	X	X
NASHOBA VALLEY	1	1	TC+	TC+	3+	3		
NORTH SHORE	0	0	N/A	N/A	N/A	N/A	N/A	N/A
NORTHEAST METRO	0	0	N/A	N/A	N/A	N/A	N/A	N/A
NORTHERN BERKSHIRE	1	1	AP	AP	1	1	X	X
OLD COLONY	0	0	N/A	N/A	N/A	N/A	N/A	N/A
PATHFINDER	1	1	TC+	TC+	1	2		
SHAWSHEEN VALLEY	1	1	TC	TC	6	6	X	X
SOUTH SHORE	0	1	N/A	1TC	N/A	1	N/A	X
SOUTHEASTERN	1	2	TC	TC,AP	1	2		1X
TRI-COUNTY	1	1	1TC+	TC+	1	1	X	X
UPPER CAPE COD	0	0	N/A	N/A	N/A	N/A	N/A	N/A
WHITTIER	0	1	N/A	TC	N/A	2	N/A	X

Table 3

INDEPENDENT VOCATIONAL SCHOOLS

ARTICULATION AGREEMENTS

School	# Agreements 1986	# Agreements 1988	Structure 1986	Structure 1988	# Programs 1986	# Programs 1988	Formal 1986	Formal 1988
LAWRENCE VOCATIONAL	0	0	N/A	N/A	N/A	N/A	N/A	N/A
SMITH VOCATIONAL & AGRICULTURAL H.S.	0	0	N/A	N/A	N/A	N/A	N/A	N/A
WORCESTER TRADE COMPLEX -								
CAREER EDUCATION TRAINING CENTER	1	1	TC	TC	1	1	X	X
WORCESTER INDUSTRIAL TECHNICAL INST.	1	0	TC	N/A	1	1	X	X
FANNING TRADE	4	1	3TC 1JT	JT	4	4	3X	3X

COUNTY AGRICULTURAL SCHOOLS

School	# Agreements 1986	# Agreements 1988	Structure 1986	Structure 1988	# Programs 1986	# Programs 1988	Formal 1986	Formal 1988
BRISTOL	0	0	N/A	N/A	N/A	N/A	N/A	N/A
ESSEX	0	N/R	N/A	N/R	N/A	N/R	N/A	N/R
NORFOLK	0	N/R	N/A	N/R	N/A	N/R	N/A	N/R

SUMMARY TABLE 3

Articulation Agreements	1986	1988
Transferred Credit	20	20
Transfer Credit+	0	5
Joint Program	2	2
Advanced Placement	2	3
TOTAL	29	30
Status of Agreements		
Formal	24	29
Informal	5	5
Number of Articulated Programs	67	74

DATA SUMMARY

Regional and independent vocational school articulation agreements increased in 1988 by 17% over 1986. The number of articulated programs increased by 10%.

Table 4

REGIONAL VOCATIONAL SCHOOLS
COLLABORATION, JTPA CONTRACTS, CURRENT NEGOTIATIONS

School	# Collaboration 1986/1988		# JTPA 1986/1988		Negotiations 1986/1988	
ASSABET VALLEY	1	2	0	1	X	
BAY PATH	0	0	1	2	X	X
BLACKSTONE VALLEY	0	1	1	2	X	X
BLUE HILLS	2	2	1	1	X	X
BRISTOL-PLYMOUTH	0	1	0	0		
CAPE COD	1	1	8	2		X
DIMAN	1	1	0	0	X	X
FRANKLIN COUNTY	1	1	0	0		
GREATER LAWRENCE	2	2	0	0	X	X
GREATER LOWELL	2	1	1	2		X
GREATER NEW BEDFORD	1	1	0	0		
KEEFE TECH	1	2	0	1	X	
MINUTEMAN	3	3	0	0		
MONTACHUSETT	1	0	0	1	X	X
NASHOBA VALLEY	1	1	0	0		
NORTH SHORE	1	1	0	0		X
NORTHEAST METRO	1	0	0	0	X	X
NORTHERN BERKSHIRE	1	1	1	1		X
OLD COLONY	0	0	0	0	X	X
PATHFINDER	1	0	1	0		
SHAWSHEEN VALLEY	1	1	0	1		X
SOUTH SHORE	0	0	1	2	X	X
SOUTHEASTERN	0	0	0	1	X	X
TRI-COUNTY	1	1	0	1		X
UPPER CAPE COD	0	1	0	1		
WHITTIER	0	0	0	0	X	X

Table 4

INDEPENDENT VOCATIONAL SCHOOLS
COLLABORATION, JTPA CONTRACTS, CURRENT NEGOTIATIONS

School	# Collaboration 1986/1988		# JTPA 1986/1988		Negotiations 1986/1988
LAWRENCE VOCATIONAL SCHOOL	0	0	2	2	
SMITH VOCATIONAL & AGRICULTURAL H.S.	0	1	0	2	
WORCESTER TRADE COMPLEX -					
CAREER EDUCATION TRAINING CENTER	1	1	1	1	
WORCESTER INDUSTRIAL TECHNICAL INST.	1	0	0	*	
FANNING TRADE	2	2	0	*	
COUNTY AGRICULTURAL SCHOOLS					
BRISTOL COUNTY	0	0	0	0	
ESSEX AGRICULTURAL	1	N/R	0	N/R	
NORFOLK COUNTY	0	N/R	0	N/R	

SUMMARY TABLE 4

	1986	1988
Collaboration Agreements	28	28
JTPA Agreements	18	24
Negotiations	13	17

DATA SUMMARY

The number of collaboration agreements at regional and independent vocational schools and agricultural schools increased by only one in 1988, but JTPA agreements and reported negotiations increased by 33% and 30%, respectively.

*All of the JTPA contracts for the Worcester Trade Complex are coordinated through the Worcester Career Education Training Center.

Table 5

CITY VOCATIONAL SCHOOLS
ARTICULATION AGREEMENTS

School	# Agreements	Structure	# Programs	Formal
ATTLEBORO VOC-TECH	3	TC	4	
BOSTON-HUMPHREY CTR.	4	TC	10	3X
HOLYOKE-DEAN VOC-TECH	N/R	N/R	N/R	N/R
LEOMINSTER TRADE	0	N/A	N/A	N/A
LYNN VOC-TECH INST.	1	AP	1	
MEDFORD VOC-TECH	N/R	N/R	N/R	N/R
NORWOOD-PEABODY VOC	N/R	N/R	N/R	N/R
PEABODY VOC HIGH	0	N/A	N/A	N/A
PITTSFIELD VOC.	0	N/A	N/A	N/A
QUINCY VOC-TECH	1	TC	1	X
SPRINGFIELD-PUTNAM	1	TC	9	X
WALTHAM VOC	N/R	N/R	N/R	N/R
WESTFIELD VOC	0	N/A	N/A	N/A
WEYMOUTH VOC-TECH	N/R	N/R	N/R	N/R

Table 5

COMPREHENSIVE HIGH SCHOOLS
ARTICULATION AGREEMENTS

School	# Agreements	Structure	# Programs	Formal
BEVERLY HIGH	N/R	N/R	N/R	N/R
BROCKTON HIGH	0	N/A	N/A	N/A
BROOKLINE HIGH	0	0	0	N/A
CAMBRIDGE RINDGE & LATIN	2	TC	6	1X
CHICOPEE COMPREHENSIVE	0	N/A	N/A	N/A
DIGHTON/REHOBOTH	0	N/A	N/A	N/A
EVERETT HIGH	0	N/A	N/A	N/A
FALL RIVER-DURFEE	N/R	N/R	N/R	N/R
GLOUCESTER HIGH	N/R	N/R	N/R	N/R
KING PHILIP REGIONAL	0	N/A	N/A	N/A
MALDEN HIGH	N/R	N/R	N/R	N/R
NEWTON NORTH HIGH	1	1TC	1	X
SOMERVILLE HIGH	0	N/A	N/A	N/A
TANTASQUA	0	N/A	N/A	N/A
WAKEFIELD MEMORIAL	N/R	N/R	N/R	N/R

SUMMARY TABLE 5

Articulation Agreements

Transferred Credit	12
Transferred Credit+	0
Joint Program	0
Advanced Placement	1
TOTAL	13

Status of Agreements

Formal	7
Informal	6

Number of Programs Articulated 32

DATA SUMMARY

Since city and comprehensive high schools were not surveyed in the 1986 project, no comparisons were possible in 1988. However, among the 19 city vocational and comprehensive high school respondents only 37% have articulation agreements.

Table 6

CITY VOCATIONAL SCHOOLS

COLLABORATION, JTPA CONTRACTS, CURRENT NEGOTIATIONS

School	# Collaboration	# JTPA	Negotiations
ATTLEBORO VOC-TECH	1	2	
BOSTON-HUMPHREY CTR.	2	0	
HOLYOKE-DEAN VOC-TECH	N/R	N/R	N/R
LEOMINSTER TRADE	0	1	
LYNN VOC-TECH INST.	1	0	
MEDFORD VOC-TECH	N/R	N/R	N/R
NORWOOD-PEABODY VOC	N/R	N/R	N/R
PEABODY VOC HIGH	2	1	
PITTSFIELD VOC.	0	0	X
QUINCY VOC-TECH	1	1	
SPRINGFIELD-PUTNAM	0	1	X
WALTHAM VOC	N/R	N/R	N/R
WESTFIELD VOC	0	0	
WEYMOUTH VOC-TECH	N/R	N/R	N/R

Table 6

COMPREHENSIVE HIGH SCHOOLS

COLLABORATION, JTPA CONTRACTS, CURRENT NEGOTIATIONS

School	# Collaboration	# JTPA	Negotiations
BEVERLY HIGH	N/R	N/R	N/R
BROCKTON HIGH	0	0	X
BROOKLINE HIGH	N/R	N/R	N/R
CAMBRIDGE RINDGE & LATIN	0	0	
CHICOPEE COMPREHENSIVE	1	0	X
DIGHTON/REHOBOTH	0	2	
EVERETT HIGH	0	0	
FALL RIVER-DURFEE	N/R	N/R	N/R
GLOUCESTER HIGH	N/R	N/R	N/R
KING PHILIP REGIONAL	0	2	
MALDEN HIGH	N/R	N/R	N/R
NEWTON NORTH HIGH	0	2	X
SOMERVILLE HIGH	2	0	
TANTASQUA	0	0	
WAKEFIELD MEMORIAL	N/R	N/R	N/R

SUMMARY TABLE 6

Collaboration	10
JTPA	12
Negotiations	5

DATA SUMMARY

Of the responding city vocational and comprehensive high schools, 40% reported collaboration agreements and 44% reported JTPA agreements. Of the schools that responded to the survey, 27% reported current negotiations.

Table 7

SERVICE DELIVERY AREAS

JTPA CONTRACTS

Service Delivery Area	Community College Agreements	Secondary School Agreements	Negotiations
BERKSHIRE COUNTY	5	9	
BOSTON	5	2	
BRISTOL COUNTY	5	6	
BROCKTON	1	2	
FRANKLIN/HAMPSHIRE	3	1	
HAMPDEN COUNTY	0	4	X
LOWER MERRIMAC VALLEY	0	2	X
METRO NORTH	N/R	N/R	N/R
METRO SOUTH/WEST	7	4	
NEW BEDFORD CAPE AND ISLANDS	6	0	
NORTHERN MIDDLESEX	1	0	
NORTHERN WORCESTER	4	6	
SOUTH COASTAL	1	2	
SOUTHERN ESSEX	N/R	N/R	N/R
SOUTHERN WORCESTER	3	0	

SUMMARY TABLE 7

Contracts with Community Colleges	41
Contracts with Secondary Schools	38
SDAs Reporting Negotiations	2

DATA SUMMARY

Service Delivery Areas were not included in the 1986 Inventory. However, 11 (85%) of 13 respondents had contracts with colleges, while 10 (77%) had contracts with high schools. It is interesting to note that there was only an 8% difference in the number of high school and college contracts.

Table 8

COURSE PROGRAMS ARTICULATED

Program Type	Voc-Tech Schools* 1986	Voc-Tech Schools* 1988	Community Colleges 1986	Community Colleges 1988	City/Comp. Schools 1988
Computer					
Computer Operations/ Programming	5	5	6	6	3
Computer Maint. Tech.	5	5	7	4	0
Data Processing	4	5	3	3	1
Micro Computer Tech.	1	1	1	3	0
Computer Info. Systems	1	1	0	2	0
TOTAL	16	17	17	18	4
Business/Administration					
Accounting	2	1	2	3	3
Business Admin.	3	4	5	5	0
Hotel-Restaurant Mgt.	3	3	2	2	0
Business Education	1	1	1	2	0
Institutional Mgt.	1	1	1	1	0
Retail Merchandising	1	1	1	1	0
Travel and Tourism	1	1	1	1	0
TOTAL	12	12	13	15	3
Electronics	9	11	11	11	3
Drafting					
Electro-Mechanical	3	3	3	3	4
Drafting	2	4	1	0	0
Computer Aided Drafting	1	1	0	2	0
TOTAL	6	8	4	5	4

*Data in Voc-Tech Schools column includes: Regional Voc-Tech Schools and Independent Vocational Schools.

Table 8

Program Type	Voc-Tech Schools 1986/1988		Community Colleges 1986/1988		City Voc/Comp. Schools 1988
Clerical					
Office Education	3	3	3	4	0
Word Processing	1	2	5	5	1
Secretarial Sciences	1	1	2	2	1
TOTAL	5	6	10	11	2
Media/Commercial Art					
Television	0	0	1	1	1
Photography	0	0	1	1	1
Fashion Illustration	0	0	0	1	1
Color Design	0	0	0	1	1
Printing	0	0	0	1	1
Graphics	1	1	0	1	1
TOTAL	1	1	2	6	6
English/General Studies	4	2	1	3	0
Health & Human Services					
Nursing	1	1	0	1	1
Dental Assistant	1	1	0	0	0
Early Childhood Education	1	1	1	2	2
Gerontology	0	1	0	1	0
Medical Assisting	0	1	0	1	0
Medical Lab Technician	0	1	0	1	0
Medical Radiographer-Nuclear Medicine	0	1	0	1	0
TOTAL	3	7	1	7	3

Table 8

Program Type	Voc-Tech Schools 1986/1988		Community Colleges 1986/1988		City Voc/Comp Schools 1988
Others					
Applied Technology	1	0	0	1	0
Automotives	3	4	3	3	1
Banking/Finance	1	1	1	1	0
Culinary Arts	2	1	1	0	2
Engineering Science	1	1	2	3	2
Horticulture	1	1	1	1	0
Plastics	1	1	1	1	0
Typesetting	1	1	0	0	0
Machine Shop/Metalworking	0	0	0	0	2
TOTAL	11	10	9	10	7
TABLE TOTALS	67	74	68	86	32

DATA SUMMARY

The number of articulated programs offered by vocational-technical schools increased in 1988 by 10% over 1986. Similarly, the number of articulated programs offered by community colleges increased by 25%. It is interesting to note that computer technology represented 25% of the articulated course offerings at both the high school and community college level and that four health related fields were newly articulated in 1988.

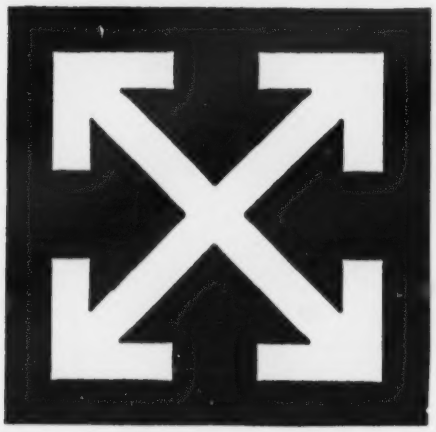
Table 9

SUMMARY OF INVENTORY DATA

	Voc-Tech Schools* 1986/1988		Community Colleges 1986/1988		City Vocationals & Comprehensives 1988
Articulation Agreements					
Transferred Credit	20	24	17	32	12
Transferred Credit Plus	5	5	5	1	0
Joint Program	2	2	2	3	0
Advanced Placement	2	3	0	11	1
TOTAL	29	34	24	47	13
Status of Agreements					
Formal Agreements	24	29	20	41	7
Informal Agreements	5	5	4	6	6
Number of Programs Articulated					
Computer	16	17	17	18	4
Business Administration	12	12	13	15	3
Electronics	9	11	10	11	3
Drafting	6	8	4	5	4
English/Gen. Studies	4	2	1	3	0
Clerical	5	6	9	11	2
Media/Commercial Arts	1	1	2	6	6
Health and Human Services	3	7	1	5	3
Other (Culinary Arts, Banking/Finance)	11	10	8	10	7
TOTAL	67	74	68	86	32
Collaboration and JTPA Agreements					
Collaboration	31	29	32	38	10
JTPA	18	24	14	19	12
Negotiations	14	17	8	10	5

*Data in Vocational-Technical column includes: Regional Voc-Tech Schools and Independent Vocational Schools.

COMMUNITY COLLEGES



BERKSHIRE COMMUNITY COLLEGE

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Berkshire Training and Employment Program, Massachusetts Industrial Services Program

* Berkshire Community College is negotiating a contract to provide word processing training for 25 JTPA referrals.

BRISTOL COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Bristol-Plymouth Regional Vocational-Technical School

* A student who has earned a certificate in Data Processing from Bristol-Plymouth with grades of "C" or better in all courses taken, will be awarded up to 18 credits for designated liberal arts, computer, and math courses towards an Associate Degree in Computer Programming (formal agreement).

Diman Regional Vocational-Technical High School

* A student who graduates from the post-secondary program in Data Processing Technology at Diman, with grades of "C" or better in all courses taken, will receive 12-15 credits at Bristol Community College for designated courses towards an Associate Degree in either Computer Programming or Business Administration (formal agreement).

COLLABORATION AGREEMENTS:

Area Comprehensive and Vocational-Technical High Schools

* B.C.C. in conjunction with nine comprehensive and two vocational-technical schools has developed a strategy to provide a focused and systematic course of study for students enrolled in general education programs. Emphasis is placed on curriculum development in science, math, and basic literacy.

* The Bristol Community College English Department, in conjunction with area comprehensive and voc-tech schools, has developed a special project to utilize local heritage as a vehicle for creative writing.

Apponequet High School, Dighton-Rehoboth High School, Bristol-Plymouth Vocational-Technical School, Diman Regional Vocational-Technical School

* These schools were among 23 communities and regional school districts that cooperated with Bristol Community College in planning and executing the annual regional science fair.

Attleboro High School

* The Supplemental Computer Instructed Learning Program was developed by B.C.C. in conjunction with Attleboro's Vocational Division and was housed at the facility.

Attleboro High School, Diman Regional Vocational-Technical School, Greater New Bedford Vocational-Technical School, Bristol-Plymouth High, New Bedford Public Schools

* Faculty and students from these schools participated in a 45 hour training program in Computer-Aided Design.

Bay State Skills Corporation

* B.C.C. and Bay State Skills Corporation jointly sponsor a summer institute in robotics for area high school and voc-tech faculty and representatives from private industry.

Bristol-Plymouth Vocational-Technical School

* B.C.C. and Bristol-Plymouth collaborated to use Bay State Skills Corp. funds to develop an Electronics Assemblies Training Program for displaced workers. Classes were held at Bristol-Plymouth; staff were from both B.C.C. and Bristol-Plymouth. A clerical upgrading program is offered periodically to employees of the Taunton Public Works Department.

Diman Regional Vocational-Technical School

* Faculty and staff from Diman, B.C.C., and the Office for Job Partnerships collaborated to develop a program for Sippican Ocean Systems in the field of electronics and to share resources for customized training in vacuum metallizing.

B.M.C. Durfee High School, Greater New Bedford Regional Vocational-Technical School.

* Bristol Community College offers enrichment courses in math and science to students at these schools.

Greater New Bedford Vocational-Technical School

* A series of college-level math and science courses (20 credits) were made available to students at Greater New Bedford to provide the prerequisite requirements for specific college degree programs.

* B.C.C. currently operates a satellite campus at Greater New Bedford.

New Bedford Public Schools, Greater New Bedford Regional Vocational-Technical School

* "Project Access" was developed at Greater New Bedford Regional Vocational-Technical School in conjunction with the New Bedford Public Schools. It aims to enroll minority students at the College in the areas of engineering, health professions, sciences, technical studies, and computer programming.

J.T.P.A. AGREEMENTS:

Adult Education

* The Adult Learning Center is open from 8:30 a.m. to 9:30PM throughout the week, and provides skills upgrading and/or GED preparation on a full or part-time basis through computer-assisted and individualized instructional modes. This program, supported by a contract with the Bristol County Training Consortium, has sites located in Fall River, Taunton, and Attleboro.

Business Office Technology

* This contract with the Bristol County Training Consortium provides training in clerical and secretarial skills.

Culinary Arts

* A Culinary Arts program was developed with the Bristol County Training Consortium to provide occupational skills training in food service preparation, integrated academic skills, and career counseling to high-risk students.

Electronic Assemblers, Specialized Manufacturing Process, Sippican Ocean Supplies, Decnatal Company.

* JTPA-eligible clients were trained in theory, math, soldering/desoldering, and job search skills.

New Bedford Technology Camp

* This summer camp experience for twenty-three economically and/or disadvantaged youth provided college credit in business and engineering as well as supervised work experience.

BUNKER HILL COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Boston Public Schools

* Through Bunker Hill's Community Educational Services Program (CESP), students may apply two or three credits for course work at the secondary level in television, photography, fashion/medical illustration, color and design, and printing. An informal agreement for this arrangement has existed for a number of years.

* In a formal agreement, course credit and advanced standing is offered to Madison Park/Humphrey Center students in five program areas: accounting, data processing, drafting, electronics, and word processing. Students must qualify through advanced placement examinations.

Cambridge Public Schools

* Through the Community Educational Services Program, paraprofessionals in the Home Based Early Childhood & Education Project, a preschool intervention program, receive in-service training and supervision. Credits for this training and supervised work experience may be applied toward an Associate's Degree. A formal agreement enables Cambridge students to transfer credit and achieve advanced standing in accounting, data processing, drafting, electronics, and word processing.

Chelsea High School

* A formal agreement outlines arrangements whereby Chelsea students can transfer credits toward degree programs in graphics, media technology, electronic technology, computer programming, nursing, medical radiography, nuclear medicine, and human services occupations.

Minuteman Regional Vocational Technical School

* A number of courses in the Minuteman Adult Technical Training/Regional Occupational Program (MATT/ROP) are approved for course credit through Bunker Hill. A formal agreement specifies typesetting, computer-aided drafting, and electronics.

COLLABORATION AGREEMENTS:

Boston Public Schools

* Bunker Hill continues to offer courses at the Community College to BPS students at no cost through the Flexible Campus Program. No credit is given for these courses.

The Mystic Valley Regional Collaborative

* Bunker Hill provides administrative support and coordination to the consortium, a group of six area school systems that share resources for a variety of faculty/staff professional development activities (informal agreement). During the past year efforts focused on the development of a new middle school science program for students in the participating towns of Chelsea, Malden, Medford, Everett, Melrose, and Somerville.

J.T.P.A. AGREEMENTS:

ESL Electronics Certificate

* Bunker Hill offers an ESL Electronics Certificate program providing both English language and electronics skills to non-native students. This program has been awarded the 1988 U.S. Secretary of Education Award.

ESL Clinical Assistant Program

* A six-month certificate program trains non-native workers for hospitals and health care agencies. It features both English language and occupational training.

Medical Radiography

* A three-year Associate Degree program prepares students for licensing as Medical Radiographers while they are supervised at selected worksites. JTPA funding is supplemented by other grants from the Massachusetts Department of Education.

CURRENT NEGOTIATIONS:

Copley High School

* Bunker Hill and Copley High are exploring ways to collaborate with international education programs.

Greater Boston Regional Education Center

* Bunker Hill is exploring cooperation with successful projects developed by the Mystic Valley Regional Collaborative.

CAPE COD COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Cape Cod Regional Vocational-Technical High School

* Cape Cod Community College and Cape Cod Voc-Tech jointly participate in a cooperative program to offer Cape Cod Voc-Tech students the option of pursuing an Associate of Science Degree in Microcomputer Electronics Technology. Seniors at Cape Cod Voc-Tech may also take classes at the College for up to five credit courses per semester tuition-free (formal agreement).

COLLABORATION AGREEMENTS:

Cape Cod Regional Vocational-Technical High School

* Cape Cod Voc-Tech offers use of its facility and electronics technology laboratory equipment to Cape Cod Community College after school hours. New equipment purchased by either the school or the college is used to upgrade the existing Cape Cod Voc-Tech facility, but may be removed or restricted in use by the purchaser.

Southeastern Regional Collaboration Project

* Cape Cod Community College is part of the Southeastern Regional Collaboration Project, currently in the planning stages. This project is designed to provide post-secondary occupational courses for Plymouth area adult and secondary school students. It involves articulation and collaboration between Cape Cod Community College, Massasoit Community College, Plymouth-Carver High School, and area vocational-technical schools.

J.T.P.A. AGREEMENTS:

Adult Literacy Training

* Career Resource and Counseling Center

Nurse's Aide Training/Cape Cod Hospital

* Short-term training programs insure an introduction to hospital practice.

1988 Summer Youth Academic Success Program

* A seven-week academic enrichment and remediation program involved 46 students certified as at-risk. The full day schedule featured intensive skills building in reading, writing, oral expression, and math as well as environmental science and physical fitness. A $40,000 grant was provided by JTPA. School principals and JTPA personnel selected the students.

GREENFIELD COMMUNITY COLLEGE

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Franklin County Technical School

* Greenfield Community College leases the shop facilities at Franklin County Technical School outside regular hours for its "Tech Connection" program, which provides non-credit workshops under the College's Division of Continuing Education (formal lease agreement).

* A Machine Employee Enhancement/Training Program (MEET) has been operative since January 1988, involving several small machine tool firms being served by the College in collaboration with the local PIC and Franklin County Tech.

J.T.P.A. AGREEMENTS:

ABE/GED Instruction

* Greenfield has one contract with the local SDA to provide ABE/GED instruction at three sites within the College and SDA service area on a full-time basis. The College has completed other short-term projects under contract with JTPA, but none are currently in operation.

CURRENT NEGOTIATIONS:

* Conversations are underway with Franklin County Technical School. Many possibilities exist but a specific agreement has not been forged as yet.

HOLYOKE COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Chicopee Public Schools

* In process but needing funding: A 2+2 program has been developed for Chicopee High School students who may enroll in the Business and Computer Technology Programs at the College. The grant sought from the Board of Regents' School/College Collaborative Program is not available, and so the venture has not yet been launched.

Springfield Public Schools/Commerce High School

* Commerce High students pursue advanced course work at Holyoke Community College.

COLLABORATION AGREEMENTS:

Greenfield Community College, Franklin Medical Center

* Through a three-way partnership, pre- and in-service training is offered in radiological technology.

Hampden County Collaborative

* Holyoke Community College has collaborated with Springfield Technical Community College and Westfield State College to provide a series of workshops for secondary teachers in math, science, and technology instruction. Funding was provided by the Board of Regents' School/College Collaborative.

Holyoke Public Schools, Chicopee Public Schools

* A variety of programs are offered to elementary or secondary students and their teachers. Course offerings include career development workshops, enrichment experiences in the fine arts, video/media education, retail management, and environmental science.

J.T.P.A. AGREEMENTS: None reported

MASSACHUSETTS BAY COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

General Motors Corporation, Minuteman Vocational Technical High School

* A three-way articulation agreement involves Massachusetts Bay Community College, Minuteman Tech., and General Motors Corporation in the Automotive Technician Program which leads to an Associate Degree in Automotive Electronics.

Joseph P. Keefe Technical High School

* Massachusetts Bay offers advanced standing credit to post-secondary graduates of Keefe Tech.'s Office Administration programs. Advanced standing is available up to 21 credit hours in the Word Processing, Office Administration and General Business Career programs. All courses at Massachusetts Bay may be challenged for credit by examination or by passing the next higher course in that area (formal agreement).

Minuteman Vocational Technical High School

* Massachusetts Bay Community College accepts Minuteman seniors upon recommendation and offers advanced placement admissions in the following areas:

  Accounting
  Automotive Service Educational Program
  Banking and Finance
  Business Administration
  Business Education
  Computer Maintenance Test Technician
  Computer Science
  Early Childhood Education
  General Studies Program
  Horticulture
  Hotel-Restaurant Management
  Institutional Management
  Micro-Electronics
  Retail Merchandising
  Secretarial Science
  Travel and Tourism
  Word Processing Technology

  Advanced placement consists of the award of a specified number of college credits for technical training completed at Minuteman. Massachusetts Bay also agrees to offer specific college credit courses at the Minuteman site, and will accept Minuteman students and graduates for enrollment (formal agreement).

Henry O. Peabody School

* An agreement has been formalized between Mass. Bay and Peabody involving advanced placement up to 24 credits in the Secretarial and Word Processing programs (formal agreement).

COLLABORATION AGREEMENTS:

Joseph P. Keefe Technical High School

* Mass. Bay shares laboratory facilities at Keefe Tech. for automotive instruction, drafting/CAD, and plastic technology programs.

J.T.P.A. AGREEMENTS:

ESL for Business and Industry

* The College provides courses in English as a Second Language at the Filene's Distribution Center and at a number of other area industries.

Summer Youth Employment/Training Program

* An eight-week summer program serves approximately 25-30 economically and educationally disadvantaged high-school aged individuals for three mornings each week, providing them with basic skills instruction as well as career counseling and on-campus employment. The College has been awarded funding through JTPA for this annual effort.

CURRENT NEGOTIATIONS:

The Conference of Boston Teaching Hospitals

* Mass. Bay Community College will offer one of the major training components in a proposed program upgrading the skills for hospital personnel. Training in medical coding will be complemented with remediation classes emphasizing verbal and written communication skills for non-native English speakers. This effort is as yet unfunded, but JTPA support has been sought to complement other grants.

MASSASOIT COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Bristol-Plymouth Regional Technical School

* Massasoit may award up to 30 semester hours of credit for coursework completed in the Data Processing program at Bristol-Plymouth, contingent upon a grade of "C" or better in the courses (formal agreement).

Southeastern Regional Technical Institute

* An informal agreement forged in 1974 enables students who have completed one year of study at SRTI to transfer credits to Massasoit.

Blue Hills Regional Vocational-Technical School, South Shore Regional Vocational-Technical School, Southeastern Regional Vocational-Technical School, Quincy Vocational-Technical School

* Four formal agreements outline job programs enabling students from the above vocational-technical schools to transfer 14 credits for coursework completed prior to enrollment at Massasoit Community College.

COLLABORATION AGREEMENTS:

* September 1988 marked the beginning of a cooperative venture with Cape Cod Community College and the Plymouth School District whereby Massasoit and Cape Cod offer joint courses, credit and non-credit, at Plymouth South Vocational-Academic High School. PACE (Plymouth Area/Adult Continuing Education) credits are recognized at both college.

J.T.P.A. AGREEMENTS: None reported

MIDDLESEX COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Greater Lowell Regional Vocational Technical School

* Middlesex offers credit awards to graduates of Greater Lowell in six areas: computer operations and programming, electronic-technology, electro-mechanical drafting, business administration, office education, and automotives. Challenge exams are offered for all other courses (formal agreement).

Minuteman Vocational-Technical School

* Middlesex offers credit awards to Minuteman graduates in the following four areas: computer operations and programming, computer electronic technology, electro-mechanical drafting, and hotel and restaurant management. Challenge exams are offered for all other courses. (formal agreement).

Nashoba Valley Technical High School

* Middlesex continues an informal agreement to accept top-ranked students from Nashoba Valley one year early. Such students receive credit towards their high school diploma and their freshman year at Middlesex concurrently. Students in electronics, data processing, and drafting can also receive one year of credit at Middlesex. There are plans to formalize this agreement in the 1988-89 academic year.

Shawsheen Valley Vocational-Technical School

* Middlesex offers credit awards to Shawsheen Valley graduates in the following six areas: computer operations and programming, electronic technology, business administration, electro-mechanical drafting, office education, and automotives. Challenge exams are offered for all other courses (formal agreement).

COLLABORATION AGREEMENTS:

Minuteman Vocational-Technical School

* Middlesex uses Minuteman facilities for some of its evening classes. Some Middlesex faculty have taught advanced secretarial courses at Minuteman Tech.

Nashoba Valley Technical High School

* Some Nashoba faculty teach mechanical components and automotive courses for Middlesex (informal agreement). Several members of the faculty also teach in the Division of Continuing Education at Middlesex.

Shawsheen Valley Vocational-Technical School

* Middlesex has used labs at Shawsheen Valley for the mechanical components course required in the Middlesex electro-mechanical drafting program. Some of these classes have been taught by Shawsheen Valley faculty.

J.T.P.A. AGREEMENTS:

Employment Resources Incorporated/Burlington Marriott Hotel

* Middlesex provides 15-week courses in ESL for employees of the Marriott Hotel in Burlington.

MOUNT WACHUSETT COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Montachusett Vocational Technical School

* Students from Montachusett Regional Vocational School may be awarded up to 13 credits towards the Associates Degree in Computer Information Systems. A challenge exam in COBOL, consisting of flowcharts, codes, and execution problems will be offered. Students passing the exam with a grade of 70% or higher will be granted four college credits in COBOL I. Finally, students who complete each of the following subjects with a "B" or better will be granted six credits as Business electives: Introduction to Program Logic, Introduction to Management Systems, Computers in Society, and a systems project.

COLLABORATION AGREEMENTS:

* None current

J.T.P.A. AGREEMENTS:

Computer Electronics Technology Program

* Funded at approximately $74,300, this program began in September 1988, with 20 students enrolled for 30 hours per week for a period of 35 weeks. The agreement is formal and the college faculty is reviewing the coursework to determine if it is worthy of college credits.

CURRENT NEGOTIATIONS:

Montachusett Vocational-Technical School

* There is ongoing discussion between Mount Wachusett Community College and Montachusett Regional Vocational School regarding curriculum development and possible shared use of resources. Recent discussion has focussed on automotive technology and the possible development of a Dental Nursing Certificate.

* Attempts are being made to collaborate in a number of Tech Prep Programs. These discussions focus on business, automotive technology, electronics, and the health professions.

NORTH SHORE COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Essex Agricultural and Technical Institute

* Although not strictly an articulation agreement, North Shore Community College, in conjunction with the Board of Regents, is responsible for the review and approval of all two-year post-secondary degree programs at the Essex Agricultural and Technical Institute. This arrangement permits EATI to award an Associate Degree in Applied Science (formal agreement).

Lynn Vocational and Technical Institute

* In a 2+2 program that is about to begin, North Shore Community College will offer advanced standing and credit transfer to students in industrial technology.

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Electronic Technician Training

* Individual JTPA clients are referred to the college for coursework and certification as electronic test technicians.

NORTHERN ESSEX COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Emmanuel College

* Graduates of the Northern Essex Program for registered nursing may enter Emmanuel's baccalaureate program in nursing with advanced standing.

Greater Lawrence Technical School

* Advanced standing is offered by formal agreement to students in Electronics Technology and the college will accept credit transfers in math, college algebra, trigonometry, digital logic, and graphics.

Merrimack College

* Northern Essex students who earn the Associate's Degree in certain specified areas may transfer credits in their entirety towards the fulfillment of baccalaureate requirements in Mathematics, Computer Science, Physics, Chemistry, Biology, and Civil and Electrical Engineering. Transfer students must achieve a cumulative quality point average of at least 2.00 and must complete a minimum of a full two years, or 20 courses and 60 credit hours of additional coursework in order to qualify for a Merrimack degree.

Salem State College, Bradford College

* Northern Essex students who graduate with a concentration in liberal arts or business education may transfer with advanced standing.

University of Lowell

* Graduates from the Community College's programs in liberal arts, business transfer, and criminal justice benefit from an articulation agreement with the University.

Wentworth Institute of Technology

* Northern Essex students who have earned an Associate's Degree in Engineering Sciences, Computer Technology, Business, Computer Maintenance Technology, and Electronics Technology may enter Wentworth's Engineering Program with advanced standing and credit transfer.

COLLABORATION AGREEMENTS:

Greater Lawrence Technical School

* Northern Essex and Greater Lawrence collaborate on several grant-funded projects. Greater Lawrence offers use of its facilities for skills training in electronics and graphic design, Vocational English as a Second Language, and adult literacy instruction for students.

* Northern Essex operates a satellite extension campus at Greater Lawrence that currently serves approximately 1,100 evening students.

Greater Lawrence Technical School, Whittier Regional Vocational-Technical School, Northeast Metropolitan Regional Vocational-Technical School

* Faculty exchanges are ongoing between the above schools and Northern Essex through a series of math conferences.

Greater Lawrence Technical School, Lawrence High School, Methuen High School

* The College's Academic Support Center provides advising services to juniors and seniors of Greater Lawrence Technical School, Lawrence and Methuen High Schools. In addition, these students are brought to campus for orientation, assessment and registration, and are provided with tutoring and follow-up services at the College.

Whittier Regional Vocational-Technical High School

* The College permits access to its computer-aided drafting equipment for the drafting department at Whittier, and has been offered access to the VX computer main frame at Whittier as an extension of the College's own capacity.

J.T.P.A. AGREEMENTS:

Project COFFEE, Automated Office Skills

* Northern Essex has a long history of JTPA/CETA-funded programs. In 1988 Project COFFEE served 19 clients.

CURRENT NEGOTIATIONS:

University of Lowell

* The college's Center for Business and Industry is collaborating with the University of Lowell to develop a regional training "institute" and consultant services.

Whittier Regional Vocational-Technical School

* Current discussions include the absorption of the Medical Assistant and Licensed Practical Nursing Program by the college.

John Greenleaf Whittier Middle School

* As a member of the Greater Haverhill Chamber of Commerce Business/Education Collaborative, Northern Essex participates in the "Adopt-a-School" program, providing programs and courses, mentor experiences, and a visiting lecture series.

QUINSIGAMOND COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Assabet Valley Regional Vocational High School

* Formal articulation agreements enable Assabet Valley students to benefit from the following arrangements:

  Data Processing: Students completing the data processing program at Assabet Valley with a grade of "B" or better are eligible for an award of up to 21 credits in Quinsigamond's Computer Information Systems program.

  Electronics: Students completing the secondary or post-secondary program in Electronics at Assabet Valley with a grade average of "B" or better are eligible for an award of 16 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

  Hotel/Restaurant Management: Students completing the food trades program at Assabet Valley with a grade of "B" or better are eligible for an award of 11 credits in Quinsigamond's Hotel/Restaurant Management program.

Bay Path Regional Vocational Technical High School

* Formal articulation agreements enable Bay Path Valley students to benefit from the following agreements:

  Engineering: Student completing the Machine Shop program at Bay Path are eligible for an award of 2 credits for Engineering Graphics I in Quinsigamond's Basic Engineering program.

  Data Processing: Students completing the Data Processing program with a grade of "B" or better are eligible for an award of up to 21 credits in Quinsigamond's Computer Information Systems program.

Electronics: Students who complete the electronics program at Bay Path with a grade of "B" or better are eligible for an award of 12 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

Blackstone Valley Regional Vocational-Technical School

* Formal articulation agreements enable Blackstone Valley students to benefit from the following agreements:

  Electronics: Students who complete the Electronics program at Blackstone Valley with a grade of "B" or better are eligible for an award of 12 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

  Hotel/Restaurant Management: Students completing the food trades program at Blackstone Valley Culinary Arts program with a grade of "B" or better are eligible for an award of 8 credits in Quinsigamond's Hotel/Restaurant Management program.

David Hale Fanning Trade High School

* Formal articulation agreements enable Fanning Trade students to benefit from the following agreements:

  Information Processing: Students who complete specified courses in the information processing department at Fanning Trade with a grade of "B" or better are eligible for an award of 14 credits in Quinsigamond Administrative Office Management program.

  Human Services: Students who complete a course entitled the "Study of Aging" in the health assistant program at Fanning Trade with a grade of "B" or better are eligible for an award of 3 credits for "Introduction to Aging" in Quinsigamond's Human Services/Gerontology program.

  Hotel/Restaurant Management: Students who complete the Commercial Foods program at Fanning Trade with a "B" average are eligible for an award of 11 credits in Quinsigamond's Hotel/Restaurant Management program.

Joseph P. Keefe Technical High School

* Electronics students who complete the Electronics program at Keefe with a grade of "B" or better are eligible for an award of 18 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

Marlborough CETA Skills Center

* Electronics students who complete the Marlboro CETA program with a grade of "B" or better are eligible for an award of 18 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

Worcester Career Education Center

* Electronics students who complete the Worcester CETA program with a grade of "B" or better are eligible for an award of 18 credits in Quinsigamond's Computer Maintenance Technology or Electronics Technology program.

COLLABORATION AGREEMENTS:

Blackstone Valley Regional Vocational School, Ford Motor Company

* In August of 1987 Quinsigamond Community College initiated a program in Automotive Technology sponsored, in part, by Ford Motor Company through its Automotive Student Service Education Training Program (ASSET).

* The program is a collaborative effort involving Quinsigamond, Ford, and Blackstone Valley Vocational Technical High School. Quinsigamond uses space and instructional personnel at Blackstone Valley in order to offer the automotive courses. The General Education courses are offered either at Quinsigamond's main campus or at a site in Grafton employing full-time and part-time instructors. A major benefit of the program to Blackstone Valley is the availability of new equipment and documentation for use in their automotive program.

J.T.P.A. AGREEMENTS: None reported

ROXBURY COMMUNITY COLLEGE

ARTICULATION AGREEMENTS:

Madison Park/Humphrey Center

* Roxbury Community College offers up to 10 credits through advanced placements exams in specific courses to Madison Park/Humphrey Center seniors. Credit is awarded after the student has received a passing grade in the next level course. The program areas for which advanced placement is available are: accounting, data processing, drafting, electronics, and word processing.

COLLABORATION AGREEMENTS:

Madison Park/Humphrey Center High School, Boston Technical High School

* A New Beginnings Program targets 40 ninth and tenth graders from these two schools, providing them with tutoring, counseling, enrichment experiences, and Saturday morning workshops focusing on basic skills improvement and career awareness. A six-week summer component builds upon the academic year.

J.T.P.A. AGREEMENTS:

Boston Urban Gardener's Landscape Training Program

* Roxbury Community College joins with the Mayor's Office of Jobs and Community Services in a four-month training program which teaches basic horticulture, landscape design, soil science, and work skills.

CURRENT NEGOTIATIONS:

Boston Public Schools

* A four-week summer program offered to graduates of the Boston Schools prior to their enrollment at Roxbury Community College will feature instruction in mathematics, analytical thinking, computer programming, and industrial technology, tutoring, career guidance, and counseling services will also be available.

Madison Park/Humphrey Center High School

* Faculty members from Roxbury Community College and the Madison Park/Humphrey Center are developing articulation programs in media/arts technology, power mechanics technology, heating, power and air conditioning, and dental assisting. The certificate and associate degree programs will involve a formal agreement outlining joint utilization of facilities at Roxbury and Madison Park.

SPRINGFIELD TECHNICAL COMMUNITY SCHOOL

ARTICULATION AGREEMENTS:

Springfield Public Schools

* Transfer credit is available to Putnam Vocational seniors in the following areas: health sciences, computer science, accounting, clerical, computer programming, electronics, mechanical drafting, graphic arts, and civil engineering.

COLLABORATION AGREEMENTS:

Bay State Skills Corporation

* In the summer of 1988, STCC and the Bay State Skills Corporation sponsored a summer institute for voc ed teachers at the secondary and post-secondary levels. The initiative provided faculty development in CAD/CAM/Robotics/CIM and other areas of flexible automation systems. The content focused on integration of the secondary and post-secondary machining programs in the National Tooling and Machining Association curriculum.

Springfield Public Schools

* METRICS Program: Mentorship, Experimentation and Tutoring, and Resources for Improving Competence in Science, enables 92 eighth and ninth grade students to use the College's labs and to benefit from mentors on the science faculty. This after school program had a 78% minority enrollment in 1987-88 and is continuing in 1988-89.

* McNair Pre-Freshman: In January 1987, STCC and the Springfield Public Schools initiated the Ronald E. McNair Pre-Freshman Engineering Program which is designed to promote the interest and motivation of minority and female high school students with a goal of encouraging their interest in pursuit of technical and engineering careers. Fifty students receive after school and summer enrichment and exposure to role models and technology within this on-going initiative.

* REACH Program: Since 1983, STCC and the Springfield Public Schools have collaborated on the REACH program (Recruitment and Educational Assistance for Careers in Health). Each year, more than 100 minority students from grades seven through twelve receive enrichment and mentorship support in an after school and summer program designed to expand the access of minorities in health careers, including nursing, allied health, medical, and other professional fields.

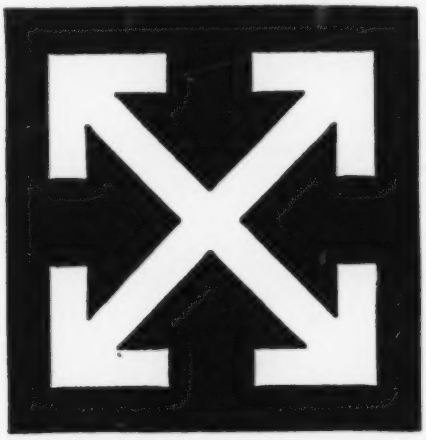
* Summer Programs for Targeted Student Groups: In the summers of 1987 and 1988, STCC and the Springfield Public Schools offered dual credit to disadvantaged voc ed secondary students who enrolled in computer courses offered at the College. Each summer, more than 30 high school juniors and seniors who were at risk of "dropping out" of high school enrolled in specifically offered courses. Guidance in career, personal, and academic matters was also offered to round out the program of services to these urban youth.

J.T.P.A. AGREEMENTS:

Summer Employment Placement Program for Springfield-Area students enrolled in the REACH and McNair Programs

* There are no formal contracts for JTPA services currently held by STCC. The programs for career-bound disadvantaged youths, however, coordinate with the resources of the JTPA system and this enables the REACH and McNair Programs to place students for summer work experiences in firms that are associated with health and engineering/technical careers. This coordination of effort involving STCC, the Public Schools, the PIC, the JTPA entities of the Springfield Service Delivery Area and employers has resulted in an innovative year-round program offering academic and mentor supports, guidance services and supervised work experiences.

REGIONAL VOCATIONAL-TECHNICAL SCHOOLS



ASSABET VALLEY VOCATIONAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Quinsigamond Community College

* Quinsigamond Community College may award up to 16 credit hours towards an Associate Degree in either Electronics Technology or Computer Maintenance Technology to Assabet Valley graduates who have received a "B" average or better in their Assabet training program (formal agreement).

* Quinsigamond Community College may award up to 21 credit hours towards an Associate Degree in Data Processing to Assabet Valley graduates who have received a "B" average or better in their training programs and can demonstrate course mastery by means of a challenge exam, assessment of a project portfolio, and/or writing and running an appropriate computer program on Quinsigamond's system (formal agreement).

* Up to 11 credit hours towards an Associate Degree in Hotel and Restaurant Management is offered to Assabet Valley graduates in Food Trades.

COLLABORATION AGREEMENTS:

Quinsigamond Community College

* Quinsigamond rents classroom space at Assabet for evening classes during the academic year.

* The Continuing Education Office at Assabet and Quinsigamond coordinate program offerings in office automation, computer maintenance, electronics, and computer-aided design.

J.T.P.A. AGREEMENTS:

* Assabet Valley has had JTPA-funded post-secondary students in training programs in the past (practical nursing and drafting) and discusses referrals with JTPA case workers. Assabet has instituted a flexible post-secondary enrollment as a result of discussions with JTPA and ET case workers.

BAY PATH REGIONAL VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Quinsigamond Community College

* Bay Path students who graduate with a "B" average or better in data processing, machine shop or electronics may be awarded one full semester of credit towards an Associate Degree (formal agreement).

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Cooperative Education Program

* JTPA-eligible students participate in a work/study program that includes job placement opportunities (formal agreement).

Youth Job Competency Program

* Funded by JTPA, students in this program work after school for five hours per week and take classroom instruction for an additional five hours per week to become skilled in job competencies (formal agreement).

CURRENT NEGOTIATIONS:

Quinsigamond Community College

* Bay Path is currently holding discussions with Quinsigamond to articulate programs in drafting, electrical and automotive technology.

BLACKSTONE VALLEY REGIONAL VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Johnson and Wales Junior College, R.I.

* Advanced standing in Culinary Arts is available to graduates of Blackstone Valley who pass a challenge exam at Johnson and Wales (formal agreement).

Quinsigamond Community College

* Quinsigamond may award graduates of Blackstone Valley up to 14 credits towards an Associate Degree in Electronics Technology, Computer Maintenance Technology, or Hotel and

Restaurant Management. The award is contingent upon the student's having earned a "B" average or better in his/her training program at Blackstone Valley (formal agreement).

Vermont Technical College

* Graduates of Blackstone Valley's programs in Electronics, Drafting, and Machine Technology can receive twelve credits, if they have maintained grades of "B" or better.

COLLABORATION AGREEMENTS:

* Quinsigamond Community College and the Ford Motor Company collaborate in offering an Associate Degree program in Applied Science for automotive technicians (curriculum available).

J.T.P.A. AGREEMENTS:

Fall 1988 Training Program for "At Risk" Youth.

* The support service of the summer program will continue during the regular academic year.

Summer Youth Training Program

* Blackstone Valley has one contract with the Hopedale Career Development Center for youth vocational training during the summer (formal contract).

CURRENT NEGOTIATIONS:

Discussions of further articulation agreements

BLUE HILLS REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

* Students who complete the electronics program at Blue Hills Regional with "B" or better receive advanced standing admission into Massasoit Community College's Electronics program.

COLLABORATION AGREEMENTS:

Massasoit Community College

* Blue Hills and Massasoit have a verbal agreement to avoid duplication of continuing education course offerings and to alternate the nights on which courses are offered.

* Blue Hills used personal computers from Massasoit for continuing education courses during the first year after the merger of Blue Hills Technical Institute with Massasoit.

J.T.P.A. AGREEMENTS:

Summer Youth Employment

* Blue Hills has a small summer youth program that served two students in 1986.

CURRENT NEGOTIATIONS:

Cape Cod Community College

* Blue Hills is investigating the feasibility of senior enrollment for liberal arts courses at Cape Cod. In addition, it is pursuing the possibility of offering an Associate's Degree in Management through Massasoit for coursework undertaken at the Blue Hills Division of Continuing Education.

Southeastern Regional Collaboration Project

* Blue Hills is one of the voc-tech schools participating in this project, which is intended to provide occupational education to Plymouth area residents. The project is working towards program articulation between Massasoit Community College, Cape Cod Community College, Plymouth-Carver High School, and six area voc-tech schools.

BRISTOL-PLYMOUTH REGIONAL VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Bristol Community College

* Remedial coursework is offered at the college for vocational students who plan on enrolling in postsecondary programs. The formal agreement began in October 1988.

COLLABORATION AGREEMENTS:

Taunton High School

* Vocational training in carpentry and culinary arts is offered at Bristol-Plymouth.

J.T.P.A. AGREEMENTS: None reported

CAPE COD REGIONAL TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Cape Cod Community College

* Cape Cod Tech and the Community College participate jointly in a cooperative program which offers Cape Cod Tech students the option of pursuing an Associate of Science Degree in Microcomputer Electronics Technology. Seniors at Cape Cod Tech may also take classes at the Community College tuition-free, up to five credit courses per semester (formal agreement).

COLLABORATION AGREEMENTS:

Upper Cape Cod Regional Vocational-Technical School

* Cape Cod Regional Tech provides vocational assessment services to 25 Upper Cape Voc-Tech students through the dropout prevention funds awarded to Upper Cape Voc-Tech through Chapter 188.

J.T.P.A. AGREEMENTS:

Adult Literacy Program

* Individual Referrals/Evening Program

Summer Youth Employment Training

* As part of the collaboration with Upper Cape Voc-Tech, Cape Cod Tech offers a summer skills training program in food service, building maintenance, and masonry for approximately 50 students.

CURRENT NEGOTIATIONS:

Coordinated Services for Pregnant and Parenting Teenagers

* Counseling and support are combined with information on child development and education and placement services for employment and child care.

Extended Day Skills Program

* Cape Cod Tech and Upper Cape Voc-Tech are negotiating a 20-week program to begin in October for JTPA clients between 16 and 30 years of age.

DIMAN REGIONAL VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Bristol Community College

* Students in the Diman Post-Secondary Dental Assistant Program have use of the BCC Library.

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Bristol Community College (BCC)

* During the past summer a group of high school and community college instructors met to negotiate a '2+2' agreement in math in order to improve the preparation of Diman students for the BCC program. The agreement offers credit awards to Diman graduates for voc-tech courses. The agreement will eventually include the involvement of BCC faculty with faculty from the participating secondary schools.

FRANKLIN COUNTY TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Greenfield Community College

* Franklin County leases its facility to the College's Division of Continuing Education (formal lease agreement). Some Franklin County faculty occasionally teach these evening courses.

J.T.P.A. AGREEMENTS: None reported

GREATER LAWRENCE REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

Northern Essex Community College

* Northern Essex offers advanced standing (up to six credits) towards an Associate Degree in Engineering

Science or Electronics Technology to Greater Lawrence graduates who meet eligibility requirements and are recommended by the Greater Lawrence Electronic Science Department Chairperson (formal agreement).

COLLABORATION AGREEMENTS:

Northern Essex Community College

* The Division of Continuing Education at Northern Essex offers a full complement of credit courses to Greater Lawrence students at the high school site.

* The Lawrence Education-Employment Project (LEEP) includes a training program in electronics and machine tools for Hispanic students. Funded by the City of Lawrence, LEEP uses Northern Essex equipment and Greater Lawrence faculty and facilities.

J.T.P.A. AGREEMENTS: None reported

GREATER LOWELL REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

Middlesex Community College

* Middlesex offers advanced standing admission to students from Greater Lowell who continue in occupational education. Articulated areas include: computer operations and programming, electronics technology, business administration, electro-mechanical drafting, office education, hotel/motel management, and automotives. A banking and finance program is in the planning stages. Credit towards an Associate Degree is contingent upon recommendation of the Guidance Director at Greater Lowell, a "B" or better in the equivalent Greater Lowell course, departmental examinations, and/or submission of a portfolio (formal agreement).

COLLABORATION AGREEMENTS:

Middlesex Community College

* The above articulation agreement also makes Greater Lowell facilities available to Middlesex after 2:00 p.m. at no cost, and permits Greater Lowell faculty to teach for Middlesex after meeting their Lowell obligations.

J.T.P.A. AGREEMENTS:

Adult Retraining Program

* Greater Lowell is sponsoring a JTPA-funded retraining program called "Project Start" which trains adults in advanced clerical skills, emphasizing word processing, and skills leading eventually to more specialized occupational assignments, including banking specialist, computer operator, management information systems (COBOL), software technical writer, video technician CADCAM design, data communications technician, hardware technical writer, systems programmer.

Department of Public Welfare

* Individual clients receive training for customer service positions.

GREATER NEW BEDFORD VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Bristol Community College (BCC)

* Bristol Community College has used the facilities at Greater New Bedford for the past five years. No rent is charged. BCC offers New Bedford students college courses in advanced math and science (informal agreement).

J.T.P.A. AGREEMENTS: None reported

JOSEPH P. KEEFE TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Massachusetts Bay Community College

* An Early Admission Program enables Keefe Tech seniors who meet certain requirements to take courses at Massachusetts Bay during their second semester. Students are eligible for advanced standing for course work already completed at Keefe Tech (formal agreement).

* Massachusetts Bay grants credit for Keefe Tech's federally-funded post-secondary programs in office occupations and drafting (formal agreement).

* Keefe Tech and Massachusetts Bay jointly offer a plastics program for which a certificate is issued through the Community College (formal agreement).

COLLABORATION AGREEMENTS:

Massachusetts Bay Community College

* Keefe Tech and Mass. Bay collaborate in offering an office occupations program. The college also uses certain laboratory facilities at Keefe for its new degree-granting plastics technology program.

Massachusetts Bay Community College, Toyota USA

* Keefe Tech and Mass. Bay collaborate with Toyota USA to offer Toyota Technical Education Network, a post-secondary automotive technology program which leads to an Associate of Science degree. The program has been replicated in several other regions throughout the country.

J.T.P.A. AGREEMENTS:

Summer Youth Employment Programs

* Youths were trained in industrial painting and landscaping.

MINUTEMAN VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Bunker Hill Community College

* Certain courses in the Minuteman Adult Technical Training/Regional Occupational Program (MATT/ROP) offerings are approved for course credit through Bunker Hill. These courses are in typesetting, computer-aided drafting, and electronics (formal agreement).

Massachusetts Bay Community College

* Massachusetts Bay accepts Minuteman seniors upon recommendation and offers advanced placement admissions in the following areas:

Accounting
Automotive Service Educational Program
Banking and Finance
Business Administration
Business Education
Computer Maintenance Test Technician
Computer Science

Early Childhood Education
General Studies Program
Horticulture
Hotel-Restaurant Management
Institutional Management
Micro-Electronics
Retail Merchandising
Secretarial Sciences
Travel and Tourism
Word Processing Technology

Advanced placement includes the award of a specified number of college credits for technical training completed at Minuteman, to be counted towards a degree at Massachusetts Bay (formal agreement).

Middlesex Community College

* Middlesex awards selected graduates of Minuteman advanced standing admission and credits in the following four areas: computer operations and programming, computer electronic technology, electro-mechanical drafting, and hotel-restaurant management. Credit awards are contingent upon recommendation by the guidance director at Minuteman, departmental examinations, and/or portfolio review (formal agreement).

COLLABORATION AGREEMENTS:

Massachusetts Bay Community College

* In the articulation agreement with Minuteman, Massachusetts Bay offers a number of college credit courses at the Minuteman site and accepts Minuteman students and graduates for enrollment. Course offerings include small business management, keyboarding, typewriting with medical applications, and child development (formal agreement).

Massachusetts Bay Community College, General Motors

* Minuteman continues to offer an Associate Degree program in Automotives in collaboration with Massachusetts Bay and General Motors. Minuteman faculty provide technical instruction. General Motors provides ongoing instructor training as well as new cars and additional instructional supplies. Job placement is facilitated by General Motors dealers.

Middlesex Community College

* The formal agreement with Middlesex permits Minuteman seniors to enroll in Middlesex courses at any site, and permits Middlesex to use Minuteman facilities after 3:00 p.m. Minuteman staff serve as instructors for Middlesex.

J.T.P.A. AGREEMENTS: None reported

MONTACHUSETT VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Mount Wachusett Community College

* Montachusett has one formal agreement with Mount Wachusett Community College in which up to 13 credits may be awarded towards a degree in data processing. The award is contingent upon the student's having earned a "B" or better in the equivalent Montachusett course, and/or passing a challenge exam (formal agreement).

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Summer Youth Employment Program

* Project Crossroads, a program combining the resources of the Montachusett Region Private Industry Council with Mount Wachusett Community College and the Montachusett Regional Vocational Technical School, enrolled 60 students, 14-15 years of age, for a six-week experience during the past summer. This effort featured coursework in carpentry, small engine repair, food trades, machine shop, auto mechanics, keyboarding skills, and graphic arts. In addition, it included an introduction to SIGI, a computerized guidance system at Mt. Wachusett Community College, which provides information on occupations, values, interests, skills, and educational programs. Students also participated in a physical education program and were introduced to the resources available at Mt. Wachusett Community College. Participants were recruited through the local schools and the New England Farm Workers Council.

CURRENT NEGOTIATIONS:

Mount Wachusett Community College

* Recent collaboration and curriculum development discussions between the two facilities have focused on automotive technology and the development of a Dental Assisting Certificate.

Project Crossroads 1989

* Discussion focuses on continuing the Summer Youth Employment Program.

NASHOBA VALLEY TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Middlesex Community College

* Middlesex continues an agreement to accept the top-ranked students from Nashoba Valley one year early. These students receive credit towards their high school diploma and their freshman year at Middlesex concurrently. Students in electronics, data processing, and drafting can also receive one year of credit at Middlesex (informal agreement).

COLLABORATION AGREEMENTS:

Middlesex Community College

* Nashoba faculty teach Middlesex students in afternoon programs at the secondary school. The Middlesex students receive full credit towards an Associate Degree for these courses (informal agreement).

J.T.P.A. AGREEMENTS: None reported

NORTH SHORE REGIONAL VOCATIONAL SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

General Electric Workers Assistance Bureau

* North Shore faculty provide specialized training to employees of General Electric. Use of particular high school facilities is part of the contract with this company.

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

* An articulation agreement with North Shore Community College for advanced placement in electronics is being considered.

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Northern Essex Community College, Bunker Hill Community College

* Discussions continue between Northeast Metro and these two community colleges regarding courses to be offered at Northeast Metro. The possibilities for transfer and advanced standing are also being considered.

NORTHERN BERKSHIRE REGIONAL VOCATIONAL SCHOOL

ARTICULATION AGREEMENTS:

Berkshire Community College

* Students graduating from the Data Processing program at Northern Berkshire are offered advanced standing at Berkshire Community College and are allowed to by-pass certain freshman data processing courses (formal agreement).

COLLABORATION AGREEMENTS:

Berkshire Community College

* Northern Berkshire Voc-Tech collaborates with Berkshire Community College in sponsoring the "Academy for Contemporary Technology."

J.T.P.A. AGREEMENTS:

Summer Vocational Training Program

* In this JTPA-funded program, 60 eligible students receive instruction in food service, metal fabrication, automotives, and cosmetology.

CURRENT NEGOTIATIONS:

* Two projects are in the proposal stage. One involves a joint LPN program; the other engages both institutions with North Adams State College and the New England Innkeepers Association in order to develop a plan for the training of people employed in New England inns.

OLD COLONY REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Bristol Community College, Area Vocational Schools and Comprehensive High Schools

* Old Colony continues its participation on a Task Force at Bristol Community College with one other regional vocational-technical school, as well as nine comprehensive high schools. The Task Force aims to develop a tech/prep '2+2' project.

PATHFINDER VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

Springfield Technical Community College and Holyoke Community College

* Pathfinder students in selected fields have the opportunity to enroll at Springfield Tech or Holyoke Community College concurrently for their senior high school/freshman college year. Most students using this option have been in the electronics, computer programming, and drafting fields (informal agreement).

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

SHAWSHEEN VALLEY VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Middlesex Community College

* Shawsheen graduates may be accepted for advanced standing admission at Middlesex Community College. The college provides for credit transfer in the following six areas: computer operations and programming, electronic technology, business administration, electro-mechanical drafting, office education, and automotives. Academic

credit is contingent upon departmental exams, portfolio review, and recommendations. Students may also take challenge exams in any other course area (formal agreement).

COLLABORATION AGREEMENTS:

Middlesex Community College

* For the last seven years Shawsheen Tech and Middlesex have been collaborating to share faculty and facilities. Shawsheen instructors provide skills training in metal fabrication, machine shop, and electronics for students attending Middlesex. Middlesex retains Shawsheen faculty to supplement course offerings in the engineering design program.

J.T.P.A. AGREEMENTS:

1988 Summer Vocational Skills Camp

* Funding from the Northern Middlesex Private Industry Council and Employment Resource Inc. of Cambridge enabled Shawsheen to provide a six-week program in electrical, plumbing, and graphic arts skills for 35 young people, ages 14-21.

SOUTH SHORE VOCATIONAL-TECHNICAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

Massasoit Community College

* Graduates of South Shore's Electronic Technology Program are awarded advanced standing and transfer of credits if they meet certain admissions requirements and pass a competency test administered by the College's technical faculty.

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

After-School and Evening Programs

* Individual referrals are made to these training programs.

Summer Youth Program

* South Shore contracts with the South Coastal Career Development Administration to provide work experience, employment counseling, and occupational training in 11 skills areas to youth in JTPA-funded summer programs.

CURRENT NEGOTIATIONS:

Massasoit Community College

* South Shore has agreed to work with Massasoit Community College, and this cooperative education program awaits funding by the Massachusetts Department of Education.

SOUTHEASTERN REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

Massasoit Community College

* Massasoit awards 30 transfer credits to graduates of the post-secondary Medical Laboratory Technician Program at Southeastern (informal agreement).

* Advanced placement is offered to graduates of the Electronics Program in a formal agreement (formal agreement).

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

* A twelve-week program for cathode ray tube operators offers training in typing, English, CRT, mathematics, resume and video interviewing, counseling and job placement.

CURRENT NEGOTIATIONS:

Massasoit Community College

* Massasoit and Southeastern are in the process of finalizing articulation agreements for their Commercial Foods and Commercial Art Programs.

TRI-COUNTY REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS:

Massachusetts Bay Community College

* Tri-County has an agreement with Massachusetts Bay Community College, permitting Tri-county seniors to enroll at Massachusetts Bay for the spring semester and receive dual credit for their coursework towards high school and college degrees (formal agreement).

COLLABORATION AGREEMENTS:

University of Massachusetts at Boston

* Tri-County has offered college-level programs for in-service training of voc-tech educators under the auspices of the Division of Occupational Education at U-Mass/Boston. Classroom space is offered free of charge, and faculty contracts are negotiated on an individual basis with U-Mass (informal agreement).

J.T.P.A. AGREEMENTS:

Summer Youth Employment Program 1987

* This six-week program addressed the instructional needs of Chapter 766 students who failed two subjects during the previous academic year.

UPPER CAPE REGIONAL VOCATIONAL-TECHNICAL SCHOOL

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Cape Cod Community College

* Cape Cod Community College offers eight extension programs at Upper Cape Cod Regional Vocational-Technical School. A formal agreement for this arrangement began in September 1988.

J.T.P.A. AGREEMENTS:

Summer Youth Employment Training

* Upper Cape Voc-Tech offers a summer skills training program annually in culinary arts, building maintenance, and masonry.

WHITTIER REGIONAL VOCATIONAL SCHOOL

ARTICULATION AGREEMENTS:

Northern Essex Community College

* Northern Essex Community College offers advanced standing to students in electronics and data processing. Students are evaluated on an individual basis (informal agreement).

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

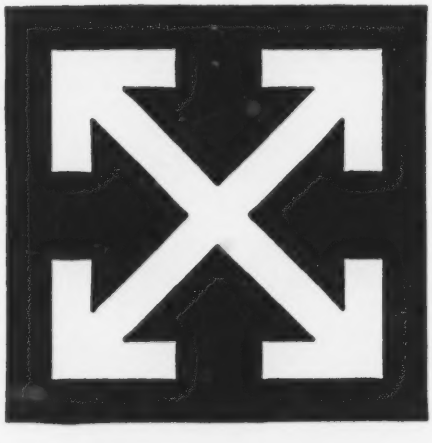
CURRENT NEGOTIATIONS:

Northern Essex Community College

* Whittier and Northern Essex continue to discuss possibilities for credit transfer, articulated curricula, facility sharing, field trips, and faculty liaison. Discussions pertaining to a change in governance for the Practical Nursing and Medical Assistant Programs are also underway.

INDEPENDENT VOCATIONAL SCHOOLS

COUNTY AGRICULTURAL SCHOOLS



LAWRENCE VOCATIONAL SCHOOL
(A non-degree granting institution)

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Energy Technician/Basic Carpentry Training Program

* The program offers competency-based skills training in energy technology and basic carpentry to JTPA-eligible clients. It is targeted for minorities, high school dropouts, and veterans (formal agreement).

Pre-Apprenticeship Training Program/Construction Trades

* Twenty-two weeks of on-the-job training follows 10 weeks of pre-apprenticeship instruction in construction, plumbing and pipefitting, ironworks, carpentry, masonry, electrical systems, and painting. The program is a collaborative effort between the Lawrence Vocational School and the Department of Training and Development (DTD) and is also supported by grants from the Eisenhower Foundation and the Lawrence Community Development Department.

NORTHAMPTON-SMITH VOCATIONAL AGRICULTURAL HIGH SCHOOL

ARTICULATION AGREEMENTS:

* Agreements to transfer credits for Smith students are negotiated on an individual basis.

COLLABORATION AGREEMENTS:

Greenfield Community College

* Northampton-Smith faculty and facilities are used for certain machine shop courses offered by the college.

J.T.P.A. AGREEMENTS:

Licensed Practical Nursing Certification/Machine Shop Training

* Northampton-Smith faculty and facilities are used for those programs offered to JTPA-referred clients/students.

WORCESTER TRADE COMPLEX

WORCESTER CAREER EDUCATION TRAINING CENTER

ARTICULATION AGREEMENTS:

Quinsigamond Community College

* Quinsigamond awards up to 15 credits and advanced standing to graduates of the Career Center's Computer Technician Program. Such students must be certified by the instructor and the director as meeting the award requirements (formal agreement).

COLLABORATION AGREEMENTS:

Quinsigamond Community College

* The college's Displaced Homemakers Center refers qualified applicants for JTPA training programs at the Worcester Career Education Training Center.

J.T.P.A. AGREEMENTS:

* The Career Training Center offers on-the-job training, pre-vocational training, employment-related activities, and English as-a-second-language. JTPA clients receive training in computer test technology, electronics bench assembly, medical records, business administration, and several other occupations.

WORCESTER INDUSTRIAL TECHNICAL INSTITUTE (WITI)

ARTICULATION AGREEMENTS: None Reported

COLLABORATION AGREEMENTS: None Reported

J.T.P.A. AGREEMENTS: None Reported

DAVID HALE FANNING TRADE CENTER AND SCHOOL OF HEALTH AND TECHNICAL OCCUPATIONS

ARTICULATION AGREEMENTS:

Quinsigamond Community College

* Graduates of Fanning Trade's Commercial Foods Program can receive 11 credits toward an Associate Degree in Hotel Management if they have maintained a "B" average (informal agreement).

COLLABORATION AGREEMENTS:

Quinsigamond Community College

* Fanning provides child care facilities and GED training for teen parents who are school dropouts. The program involves an interagency agreement.

* Fanning students who are involved in externships are contracted through Quinsigamond to work among 57 different agencies in the Worcester area.

J.T.P.A. AGREEMENTS: None Reported

COUNTY AGRICULTURAL SCHOOLS

BRISTOL COUNTY AGRICULTURAL

ARTICULATION AGREEMENTS: None Reported

COLLABORATION AGREEMENTS: None Reported

J.T.P.A. AGREEMENTS: None Reported

ESSEX COUNTY AGRICULTURAL

Did not respond to survey

NORFOLK COUNTY AGRICULTURAL

Did not respond to survey

CITY VOCATIONAL-TECHNICAL SCHOOLS

ATTLEBORO VOC-TECH HIGH

ARTICULATION AGREEMENTS:

Rhode Island Post-Secondary Institutions

* Three informal agreements have existed for some time allowing Attleboro seniors in computer information electronics, drafting, metalurgy, and culinary arts to transfer credit and pursue advanced study at Johnson and Wales, Rhode Island Institute of Technology, and Rhode Island Trade School

COLLABORATION AGREEMENTS:

Bristol Community College

* BCC uses Attleboro classrooms and lab facilities for extension courses in electronics, drafting, and culinary arts

J.T.P.A. AGREEMENTS:

Bristol Community College

* BCC and Attleboro have a JTPA contract. The combined program enables referrals to obtain a GED diploma as well as employment-related skills training.

Summer Youth Employment Program

* A JTPA contract enables young people to combine remedial course work with supervised work experience.

BOSTON - MADISON PARK/HUMPHREY CENTER HIGH SCHOOL

ARTICULATION AGREEMENTS:

Roxbury Community College, Bunker Hill Community College, Northeastern University

* These three institutions offer course credit and advanced standing to Madison Park students who qualify through advanced placement examinations. The five program areas for which advanced placement is available are: accounting, data processing, drafting, electronics, and word processing. The three schools also offer Madison Park students additional learning experiences such as special seminars, and financial aid workshops for students and their parents (formal agreement).

Bunker Hill Community College

* Through its Community Educational Services Program (CESP), Bunker Hill Community College grants credit to Boston Public School students who pass specified courses at the Humphrey Center, two or three credits each may be given for courses in television, photography, fashion/medical illustration, color and design, and printing (informal agreement).

COLLABORATION AGREEMENTS:

Roxbury Community College

* RCC works closely with the Humphrey Center to offer a variety of programs that include an articulation agreement (described above), several weekend and vacation seminars, and summer enrichment/remedial programs for Humphrey Center graduates prior to autumn enrollment at RCC.

* Three adult evening school programs in printing, oil burner technology, and HVAC are based at the high school and staffed by Humphrey Center faculty.

J.T.P.A. AGREEMENTS: None reported

HOLYOKE - DEAN VOCATIONAL

Did not respond to survey

LEOMINSTER TRADE

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

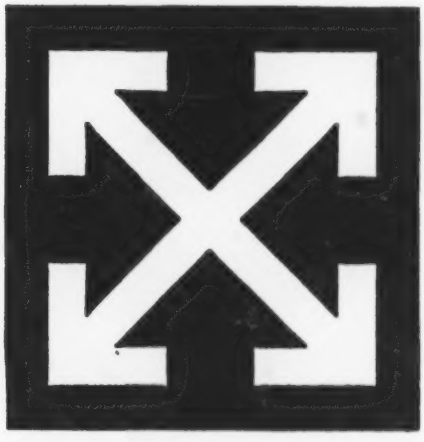
J.T.P.A. AGREEMENTS:

Summer Youth Employment Program

* Funds from the JTPA as well as a school/business partnership grant supported a seven-week effort enrolling 47 students. The program stressed basic math, language and science skills, and included an individually-administered vocational assessment battery as well as an introduction to careers in electronics, automotive technology, carpentry, graphics, electrical systems, and machine shop.

CITY VOCATIONAL-TECHNICAL SCHOOLS

CITY COMPREHENSIVE SCHOOLS



LYNN VOC-TECH INSTITUTE

ARTICULATION AGREEMENTS:

North Shore Community College

* An informal agreement enables Lynn students to pursue advanced course work in English, accounting, and algebra.

COLLABORATION AGREEMENTS:

North Shore Community College

* Both institutions share certain facilities.

J.T.P.A. AGREEMENTS: None reported

MEDFORD VOC-TECH HIGH

Did not respond to survey

NORWOOD - HENRY O. PEABODY VOCATIONAL HIGH

Did not respond to survey

PEABODY VOCATIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Salem High School

* Students at Peabody Vocational School use the kitchen facilities at Salem High for part of the day.

University of Massachusetts

* From time to time various in-service training workshops for occupational educators are offered at Peabody Vocational High School.

J.T.P.A. AGREEMENTS:

Summer Youth Employment and Training Program

* The summer session combines remedial academic instruction with specific training and supervised work experiences.

PITTSFIELD VOCATIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

* Discussions are underway with Berkshire Community College administrators and local employers. A joint program in plastics technology is the anticipated outcome.

QUINCY VOC-TECH HIGH

ARTICULATION AGREEMENTS:

Massasoit Community College

* A formal joint program in electronics has been operating for some time. Students may transfer credit after a challenge examination.

COLLABORATION AGREEMENTS:

Quincy Junior College

* Faculty and facilities are shared in this reciprocal agreement.

J.T.P.A. AGREEMENTS:

South Coastal PIC

* The agreement involves individual referrals for training in electronics.

SPRINGFIELD - PUTNAM VOCATIONAL

ARTICULATION AGREEMENTS:

Springfield Technical Community College

* Transfer credit is available to Putnam seniors in the following areas: health sciences, computer science, clerical, accounting, computer programming, electronics, mechanical drafting, graphic arts, and civil engineering.

COLLABORATION AGREEMENTS:

None at this time: Putnam is being renovated and so Springfield is unable to share facilities. Faculty collaboration is anticipated.

J.T.P.A. AGREEMENTS:

Summer Youth Employment Program

WALTHAM VOCATIONAL HIGH

Did not respond to survey

WESTFIELD VOCATIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

WEYMOUTH VOC-TECH HIGH

Did not respond to survey

COMPREHENSIVE HIGH SCHOOLS

BEVERLY HIGH

Did not respond to survey

BROCKTON HIGH

ARTICULATION AGREEMENTS: None reported, negotiations underway.

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Massasoit Community College

* An agreement for a cooperative education program was expected to be finalized and formalized in late 1988.

BROOKLINE HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CAMBRIDGE RINDGE AND LATIN

ARTICULATION AGREEMENTS:

Bunker Hill Community College

* A formal agreement exists for five program areas: graphic arts, culinary arts, medical/health occupations, computer programming, and electronics.

Roxbury Community College

* An informal agreement enables Cambridge students to transfer credit and pursue advanced study in drafting.

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

CHICOPEE COMPREHENSIVE

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Holyoke Community College

* A variety of programs are offered to elementary and secondary students as well as their teachers. Course offerings range from career development workshops, and enrichment experiences in the fine arts and video/media education to to retail management and the environmental sciences.

J.T.P.A. AGREEMENTS: None reported

CURRENT NEGOTIATIONS:

Holyoke Community College

* An articulation program has been developed for Chicopee students who may enroll in the Business and the Computer Technology Programs at the College. Funding from the Board of Regent-sponsored School/College Collaborative is not available, and so initiation of the program has been delayed.

DIGHTON-REHOBOTH REGIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Project Contemporaray Competitiveness

* Summer program for advanced students.

South Coast Educational Collaborative

* Pariticipating towns, Berkley, Dighton, Rehoboth, Somerset, Swansea, and Seekonk share cost of computer training for teachers.

EVERETT HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

FALL RIVER - DURFEE HIGH

Did not respond to survey

GLOUCESTER HIGH

Did not respond to survey

KING PHILIP REGIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Limited English Skills Training

* Program provides training for limited English adults at King Philip and several worksites.

Summer Youth Program

* Involves training of at risk students in "Outward Bound" type program.

MALDEN HIGH

Did not respond to survey

NEWTON NORTH HIGH

ARTICULATION AGREEMENTS:

Massachusetts Bay Community College

* A formal agreement enables Newton students to earn an Associates's Degree in child development and education in a 2+2 sequence. Similar arrangements in electronics, auto mechanics, marketing, and allied health occupations will be finalized during the present academic year.

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS:

Summer Youth Employment Program

* The sixth consecutive summer program enrolled over 100 students who were trained and then assigned to salaried positions in carpentry, graphic arts, printing, electrical systems, building maintenance, and painting. The program feature a two-hour academic component each morning and students received basic skills instruction and/or bilingual and ESL training. Twenty-five slots were reserved for METCO students of the Newton Public Schools. Funding included $33,000 for supervision, and $56,625 for student stipends. JTPA funds also supported two on-site counselors.

* For the third consecutive year the Newton Schools have received funds to conduct programs for five local service and manufacturing companies for 70 limited English-speaking employees. A $130,366 JTPA contract is matched with a $30,000 grant from the participating industries.

SOMERVILLE HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS:

Bunker Hill Community College

Essex Agricultural School

J.T.P.A. AGREEMENTS: None reported

TANTASQUA REGIONAL HIGH

ARTICULATION AGREEMENTS: None reported

COLLABORATION AGREEMENTS: None reported

J.T.P.A. AGREEMENTS: None reported

WAKEFIELD MEMORIAL HIGH

Did not respond to survey

BERKSHIRE SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Berkshire Community College

* Formal contracts currently exist for word processing, electronics repair, and secretarial skills. A financial agreement exists for licensed practical nursing.

North Adams State College

* A contract exists for adult literacy.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Mt Everett High School, Lee High School

* Formal contracts exist for adult literacy.

Taconic High School, Drury High School, Lee High School, Monument Mountain High School, Mt. Everett High School, Hoosac Valley High School, Pittsfield High School:

* Summer Youth Vocational Exploration Contracts

BOSTON SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Bunker Hill Community College

* A formal contract exists for the training of non-native speakers in the ESL/Clinical Assistant Program and the ESL/Electronics Program.

* JTPA funds support the college's Worker Assistance Center.

Roxbury Community College

* A formal contract exists for electronics training.

* JTPA funds contribute to the support of the Adult Literacy Resource Institute sponsored by these colleges.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Boston Public Schools

* The Boston Private Industry Council sponsors and supports a number of services for Boston public school students. The Job Collaborative, operating in 14 Boston public high schools, has involved 532 students in the 1987-1988 academic year in career awareness activities, classroom instruction, tutoring, business tours, and job placement services.

* The Compact Ventures program served 338 at-risk youth in four Boston public high schools, offering individual assessment, tutoring, counseling, and referral to social services. The Summer Jobs Program places high school students in unsubsidized private employment.

BRISTOL COUNTY SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Bristol Community College

JTPA funds support the following programs at BCC

* Adult Learning Center
* Business Office Technology Training
* Adult Basic Education (ESL)
* Nursing Assistant Program
* Culinary Arts Summer Program

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Attleboro High School

* Students who are at risk of dropping out of training activities will receive remedial services in a program originally funded under Chapter 188. A Pregnant Parenting

* Youth Program operates in collaboration with a consortium-sponsored Employment Training (ET) Program.

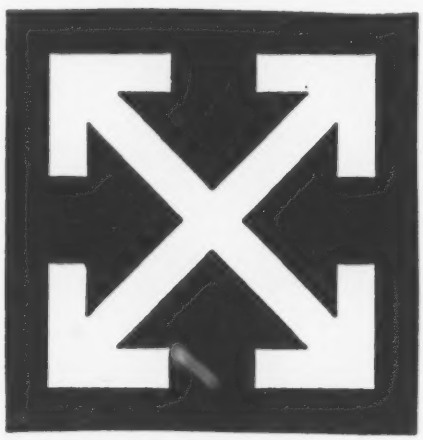
Attleboro Vocational High School

* A formal contract supports open-entry/open-exit access to all of the school's occupational training programs.

Fall River Public Schools

* A JTPA-funded work experience program provides students with work/study opportunities.

SERVICE DELIVERY AREAS



Fall River Public Schools

* A school-within-a-school plan, under the aegis of Commonwealth Futures supports at-risk youth with an individualized curriculum and special attention. Both programs have formal contracts, and an additional formal contract with SER/Jobs For Progress, Inc. insures school-to-work orientation and placement services at Durfee High School.

Fall River, Taunton, and Attleboro Public Schools

* Summer remediation programs are sponsored for students in these three school systems.

Taunton Public Schools

* A distributive education program with a formal contract funds youth to run a store at the high school and in town.

BROCKTON SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Massasoit Community College

* In a contract for participants in the ET choices program, GED and ESL programs are offered at the college. Other contracts support the 160-students who are earning associate degrees at Massasoit.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Southeastern Regional Vocational-Technical School

* Training for Cathode Ray Tube operators has existed for the past three years.

* The twelve-week program also includes instruction in typing, English, math, resume and interviewing skills, as well as counseling and job placement services.

FRANKLIN-HAMPSHIRE SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Greenfield Community College

* Formal agreements exist for day programs and continuing education job-related training courses, and a year-long office assistant training program. A formal contract exists for specific trade-related training programs.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Pre-employment Orientation Workshops

* Twenty-one secondary schools have referred "at risk" students for presentations by representatives of the area's agencies, businesses, and industries.

HAMPDEN COUNTY SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

None reported

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Springfield, Chicopee, Holyoke, and Westfield High Schools

* Formal contracts and supplementary funds support dropout prevention programs.

LOWER MERRIMACK VALLEY SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

None reported

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Lawrence High School

* Alternative High School Program JTPA and supplementary funds from other sources support P.M. High School, an attractive remedial alternative for 40 young people who are non-native speakers. After one year in the alternative high school, most students matriculate to the regular academic program.

* Small Engine Repair Program A JTPA contract supports an elective in small engine repair for Chapter 766 students who are enrolled in P.M. High School

METRO NORTH SERVICE DELIVERY AREA

Did not respond to survey.

METRO SOUTH/WEST SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Bunker Hill Community College

* This contract involved a financial and contractual agreement for one referral to the Culinary Arts Program.

Massachusetts Bay Community College

* Financial and contractual agreements as well as JTPA Title IIA Skills Training funds are involved in three agreements to accept individual referrals for training in word processing, accounting, and licensed practical nursing.

Middlesex Community College

* Financial and contractual agreements exist for two programs provided at the college. A Summer Youth Employment and Training Program (SYETP) under JTPA Title IIB funds supports a basic skills/work experience program for 12 special-needs students from the Metro South/West Service Delivery Area. A second agreement provides training for individual referrals to the medical secretarial program. "Dislocated workers" identified by other SDAs are also accommodated in the program agreement.

Quinsigamond Junior College

* This JTPA contract provided a workplace ESL/ABE program for employees of the T.J. Maxx Distribution Center. The financial and contractual third party agreement involved EOL/DOE funds.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Summer Youth Employment and Training Programs

Area-Wide Secondary Schools

* Individual referrals are designated for training opportunities in licensed practical nursing, culinary arts, drafting, secretarial skills, fashion design, hair dressing, machine operation, operating room and dental technician skills, HVAC, as well as computer/electronic technician. These programs sometimes involve career exploration and guidance as well as ESL/ABE remediation; the programs are offered at Assabet Valley Regional High School, Keefe Technical, Blue Hills Regional, and Sudbury Regional. Referrals are also made to training programs offered by Brandeis, Northeastern, Franklin Institute, Wentworth Institute, and Northeast Institute of Industrial Technology

NEW BEDFORD/CAPE COD AND ISLANDS SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Bristol Community College

* Occupational training programs for wastewater treatment operators and legal secretaries are offered through formal contractual agreements.

Cape Cod Community College

* Certified Nurse's Aide Training is offered through a formal contractual agreement.

Fisher Junior College

* Programs in word processing, accounting/bookkeeping, bank teller training, and office re-entry are offered in Hyannis. Training for day care providers is offered in New Bedford. There are formal contractual agreements for both sites.

Southeastern Massachusetts University, Project ASPIRE

* Staff at the Cooperative Learning Center are funded to provide internship experiences and career orientation workshops to moderately and severely handicapped adults and youths.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

None reported

NORTHERN MIDDLESEX SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

University of Lowell

* A formal contract with the University of Lowell has existed for the past five years for summer youth programs. Lowell faculty provide the academic part of the summer program.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

None reported

NORTHERN WORCESTER SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Mount Wachusett Community College, Fitchburg State College

* As part of the Career Beginnings effort, both colleges sponsored full-day career preparation seminars for AFDC clients participating in the ET program. JTPA administrative funds were used to underwrite this orientation to JTPA-training programs available in the Northern Worcester County area.

Mount Wachusett Community College

* Area-wide conference In collaboration with the private industry council, the college is host for Workforce Challenges, a November conference on the changing face of the workplace and new issues posed by employees who are handicapped, non-native speaking, minority, and in need of entry-level training, or child/dependent care.

* General Electric Machinist Training The college provides teacher-training to GE employees so that they can provide training to JTPA-clients assigned for machinist training in preparation for positions at GE's Fitchburg plant. The North Central Chamber of Commerce provides administrative support staff for the effort. Montachusett Regional Vocational School and Leominster Trade provide the facilities.

* Certificate Training Programs Individual referrals are made to the college's training programs in environmental pollution control, computer operation and maintenance, business/clerical skills, early childhood education, automotive technology, and computer information technology.

JTPA CONTRACTS WITH SECONDARY SCHOOLS:

Area Vocational Schools

* Summer Youth Employment Programs Three vocational-technical schools provided academic and work-trade experiences for 140 youths in 1988. During the same summer an additional 181 adults were enrolled in work experience programs at other sites. Basic education as well as ESL was offered to selected participants in both groups.

Fitchburg Public Schools, Leominster Public Schools

* Both schools systems receive JTPA funds to sponsor year-long programs introducing at-risk young people and potential dropouts to business, government, and community resources.

Montachusett Regional Vocational School

* Restoration of old houses and school property is the focus of the entry-level carpentry training offered to young people aged 16-21 years.

SOUTH COASTAL SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Cape Cod Community College, Quincy Junior College

* Contracts exist for prevocational/remedial education for ET-registered welfare recipients.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

Silver Lake Regional High School

* AFDC recipients may enroll in secretarial and culinary arts programs.

Summer Youth Employment Training Program

* Scituate High School and South Shore Vocational High School offer vocational training for handicapped youth.

SOUTHERN ESSEX COUNTY SERVICE DELIVERY AREA

Did not respond to survey.

SOUTHERN WORCESTER SERVICE DELIVERY AREA

J.T.P.A. CONTRACTS WITH POST-SECONDARY INSTITUTIONS:

Quinsigamond Community College

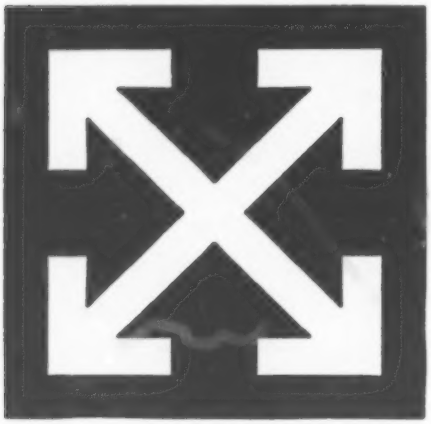
* Formal contracts exist for adult literacy and workplace education programs sponsored by the Division of Continuing Education.

* Collaboration via an informal agreement with Worcester Polytechnic Institute enables individual referral to the manufacturing program.

J.T.P.A. CONTRACTS WITH SECONDARY SCHOOLS:

None reported

APPPENDICES



APPENDIX A

SECONDARY AND POST-SECONDARY INSTITUTIONS

SURVEY INSTRUMENT

Please complete and return as soon as possible to:

Massachusetts State Council on Vocational Education
State House, Room - 51
Boston, Massachusetts 02133

1) Articulation Agreements

(a) Are there any articulation agreements currently in effect at your institution involving curriculum, transferred course credit, advanced standing, or other arrangements? If so, please specify in brief the nature of these arrangements. (Use additional pages if necessary).

(b) How would you assess this program at this point in time? What are some of the barriers and problems you have encountered?

2) Collaboration Agreements

(a) Is your institution participating in any agreements involving shared faculty, facilities, program availability, or other forms of collaboration? Please describe these agreements.

(b) How would you assess this program at this point in time? What are some of the barriers and problems you have encountered?

3) J.T.P.A. Agreements

(a) Does your institution have any JTPA contracts with your local Private Industry Council (PIC)? Please provide a brief summary of these programs, if available.

(b) How would you assess this program presently? What are some of the barriers and problems you have encountered?

4) Are the above agreements formal or informal? If you have any written articulation or collaboration agreements, please provide us with copies.

5) Among the programs you have described above, is there one with which you have experienced unusual success that you would select to be presented in our report as a model for others involved in program planning efforts? If so, please describe its special characteristics.

6) Are there other programs in your institution which would benefit from curriculum articulation, faculty/facilities collaboration, or contracting with JTPA? If so, what are they?

7) Additional comments.

Please enclose any materials which further describe the programs you have mentioned above (e.g., school curriculum/college catalogue, formalized statement of agreement).

Signature _____

School or College _____

APPENDIX B

SERVICE DELIVERY AREAS

SURVEY INSTRUMENT

Please complete and return as soon as possible to:

Massachusetts State Council on Vocational Education
State House, Room - 51
Boston, Massachusetts 02133

1) JTPA contracts with Community Colleges

   (a) Has your SDA/PIC entered into any collaborative program efforts with community colleges? Please provide a brief summary of these programs, including the name of the participating college. Please note which are financial agreements and which are formal contractual agreements.

   (b) How satisfied are you with these programs at present? Please give a numerical ranking for each one on a scale of 1-3 with one being dissatisfied and three being high satisfied.

   (c) Have there been any barriers to the success of these programs? If so, please describe them.

2) JTPA contracts with Secondary Schools

   (a) Has your SDA/PIC entered into any collaborative program efforts with secondary schools? Please provide a brief summary of these programs, including the name of the participating school. Please note which are financial agreements and which are formal contractual agreements.

Note: Please attach additional sheets if more writing space is needed.

(b) How satisfied are you with these programs at present? Please give a numerical ranking for each one on a scale of 1-3 with one being dissatisfied and three being high satisfied.

(c) Have there been any barriers to the success of these programs? If so, please describe them.

3) Among the programs you have described above, is there one with which you have experienced unusual success that you would select to be presented in our report as a model for others involved in program planning coordinated with schools and colleges? If so, please describe its special characteristics.

4) Are you in the process of negotiating any JTPA contracts with secondary schools or community colleges? If so, what are they, and with what institutions are you negotiating?

5) Are there programs which you believe would benefit from contracting with schools or colleges? If so, what are they?

6) Additional Comments

Note: Please enclose copies of the contractual agreements or any other materials which further describe the programs you have mentioned.

Thank you for your participation. We will forward a copy of the report as soon as it is completed.

Signature _____

SDA Region _____

APPENDIX C

VOCATIONAL EDUCATION/COMMUNITY COLLEGE DIALOGUE PROJECT

PROJECT GOALS

1. Improve dialogue among educators about vocational education and employment training, leading to:
2. Improved articulation between secondary and post-secondary programs;
3. Improved collaboration between public education and the private sector for employment training;
4. Joint efforts to improve the image of vocational education;
5. Increased vocational education and training options, especially for populations facing employment barriers;
6. Improved cooperation in use of physical facilities.